

## WEST CENTRAL ALUMNI GARDEN MORRIS, MINNESOTA

Presented by  
The University of Minnesota  
Department of Landscape Architecture  
Center for Community Studies

September 1990



#### PROJECT PARTICIPANTS

##### Landscape Architecture Class:

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Registered Landscape Architect:  
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##### West Central Experiment Station staff:

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Horticulturist Steven Poppe

##### West Central School of Agriculture

##### Alumni Association Board

Mrs. Wallace Horning  
Donald C. Olson  
Roger Schoephoerster  
Mrs. Ronald Hervey  
Reuben Luthi  
Mrs. David Arneson  
Art Durkee  
Tony Staebler  
Mrs. Ralph Sperr

#### SPONSORING ORGANIZATIONS

##### University of Minnesota / Twin Cities campus:

Department of Landscape Architecture  
Center for Community Studies

##### University of Minnesota

West Central Experiment Station

##### West Central School of Agriculture Alumni

Association

## INTRODUCTION

This design project was initiated when the West Central School of Agriculture Alumni Association and the University of Minnesota West Central Experiment Station contacted the Center for Community Studies. The Alumni Association had decided to pursue creation of a garden commemorating the School. The Experiment Station had offered the land south of their Administrative Building as site for the garden. The Center for Community Studies (CCS) was asked by the Alumni and Station staff to generate design ideas illustrating how the West Central Alumni Garden could be developed.

Through CCS, a University of Minnesota landscape architecture class undertook the project in Summer 1990. Twelve students and their instructor visited the Experiment Station on July 25 and met with about 20 people representing the Alumni, Experiment Station staff, and the Morris Green gardening organization. The students presented their preliminary designs on August 1 with Steve Poppe (Station horticulturist) attending and presented their final designs on August 6 to Mr./Mrs. Reuben Luthi representing the alumni. With completion of this report, the class designs were finally presented by the instructor and teaching assistant at a meeting of the Alumni Association on September 21, 1990.

## PROJECT GOAL & OBJECTIVES

Each of the student designs was developed in response to the following goal and objectives.

To create master plan alternatives for the West Central Alumni Garden and adjoining grounds at the West Central Experiment Station:

- \* To explore how the former West Central School of Agriculture and its alumni can be commemorated through creation of a garden; specifically to develop designs emphasizing the use of plants to create an outdoor environment which:

- are particularly meaningful to the West Central alumni indicating to garden visitors the importance of the West Central School of Agriculture;
- suggest important horticultural contributions of the Experiment Station;
- reflect the landscape and people of West Central Minnesota.

- \* To suggest ways that plants can be used to create landscape spaces pleasing and comfortable for people, including:

- gathering places for small and large groups (perhaps including an amphitheater for 30 to 100 people);
- various sitting places for 1-6 people which offer a range of opportunities such as for views, shade, sun, protection from wind, exposure to breezes;
- sheltered garden walkways, including some for use by wheel chairs.

- \* To integrate the garden with grounds around the Experiment Station office and the surrounding landscape, specifically to explore how to incorporate:

- enhanced views to and from the site (including views of the garden from Highway 59 and from the garden across the valley);
- a clearer and more aesthetically pleasing entry approach to the site (from the highway to driveway to parking from the vehicular or bicycle perspective, from parking to office and/or garden from the pedestrian perspective);
- additional plantings for energy-conservation and global warming mitigation through shading the building, driveways, parking lot, and air-conditioning units.

- \* To develop proposals for plantings which can thrive on the site with moderate levels of investment in implementation and maintenance.

## PROJECT IMPLEMENTATION

This report is a compilation of the design proposals of thirteen landscape architecture students. Many alternative ways to commemorate the School of Agriculture and to fit display gardens on to the Station site are suggested here.

Aspects of many different designs are expected to be appealing, yet none of these plans is expected to be directly implemented.

The alumni and staff are advised to use these designs as an inspirational source of ideas to further efforts to plan and fund the garden. By carefully evaluating and discussing these student ideas, a clearer understanding can be developed of how to best represent the West Central School of Agriculture in a garden and how this can most appropriately fit into the grounds of the West Central Experiment Station.

In evaluating these proposal and developing a final design, careful attention needs to be given to practical considerations including: how the proposed plants, walkways, and other features would fit into the topography; accommodation of other present and future uses of the Experiment Station site; safety and handicapped accessibility; the hardiness and horticultural compatibility of the suggested plant materials; and the cost and maintenance implications of the designs. Just as important, care needs to be given that the final master plan results in a cohesive design in which the proposed garden spaces are well integrated with each other and with the grounds of the Experiment Station.

The Alumni Association and Experiment Station staff should work with professional horticulturists and landscape architects to develop the final master plan and implementation details to assure the best integration of garden features that will last long into the future.

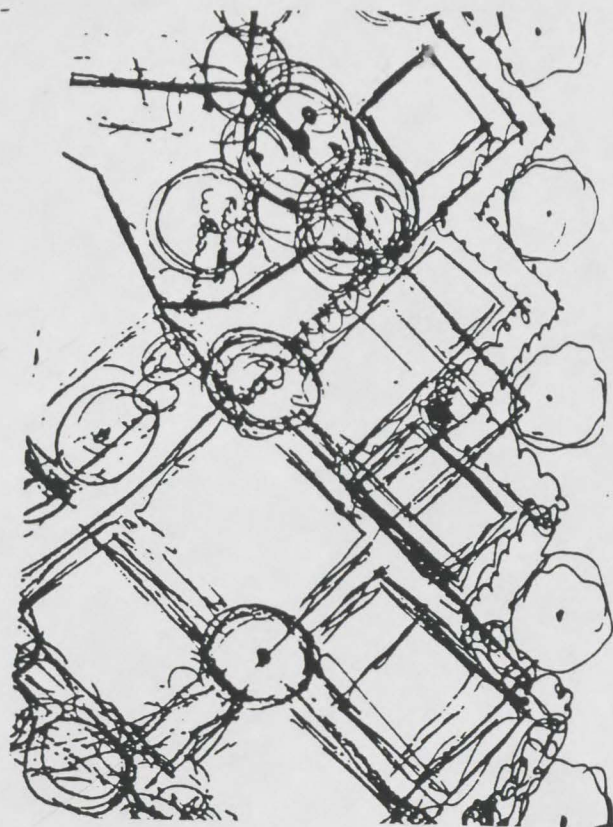
Many of the proposals presented here represent very ambitious schemes for a future West Central Alumni Garden. Such efforts are possible, but would require the cooperation and commitment of the University of Minnesota and its Experiment Station, the West Central School of Agriculture Alumni Association, people in Morris, and other project supporters. For the alumni and Experiment Station to set such a far reaching goal is appropriate. Then implementation can be planned incrementally - subareas of the garden

can be installed one-at-a-time as funding and maintenance support allows. But each of these steps would fit into an long term vision worthy of the value of the West Central School of Agriculture to the state of Minnesota and the people of this region.

# TOM BISCH

*.....I placed a single oak tree in the center to represent the strength gained through knowledge and hence forth the contributions made to society by all those who passed through the WCSA.*



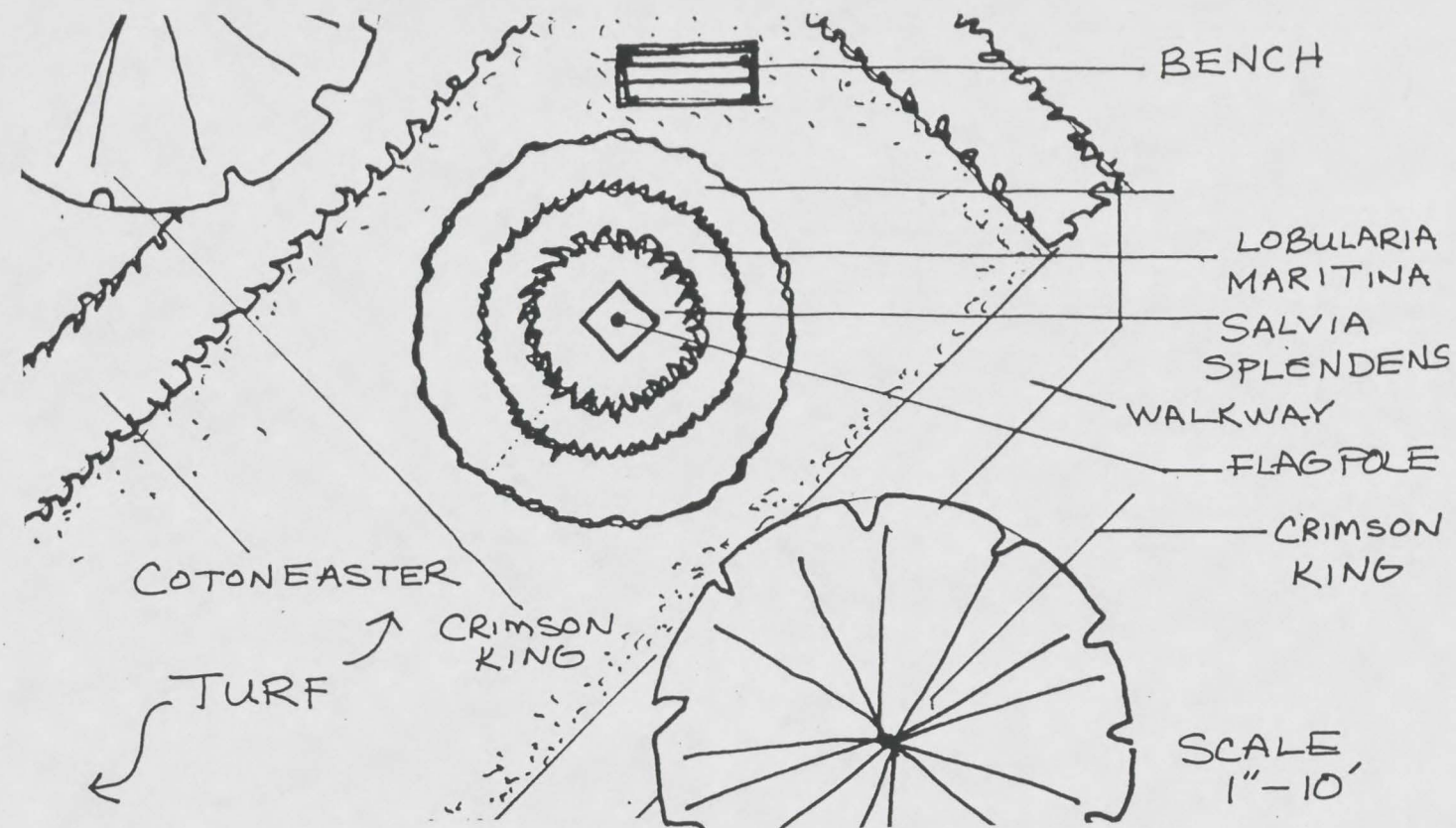


graphic ideation of the All American Selection plots

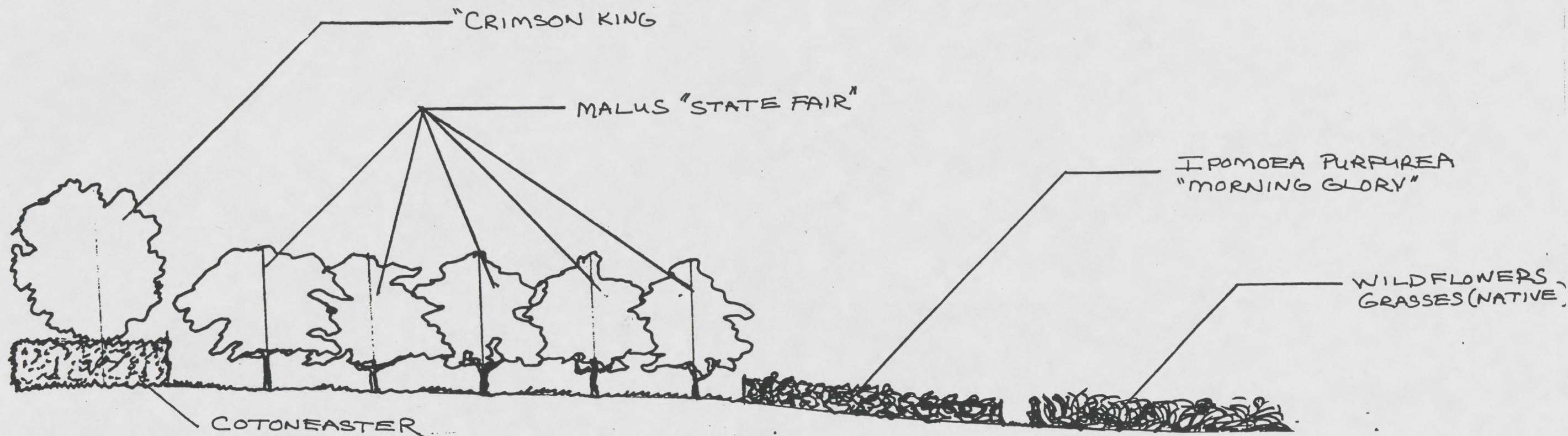
WCSA - Form

1. Apple orchard	2. Spruce	3. Flag pole	4. Speakers platform
5. Lilies	6. Sports (baseball - vs Gray, softball - vs Red)	7. Rock garden	8. Greenhouse (brick)
9. Evergreen - Spruce	10. Agave (blue) P. g.	11. night lighting	12. 4-H sign
12. Agave (blue) P. g.	13. Duck - swimming	13. water feature	14. Wychy meadows
14. Duck - swimming	15. (She) Rabbit - tree	15. Molehill - wavy slope	16. Amphitheater
16. GATE	17. Flag pole	17. T. P. H. 1000	18. T. P. H. 1000
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working plant list

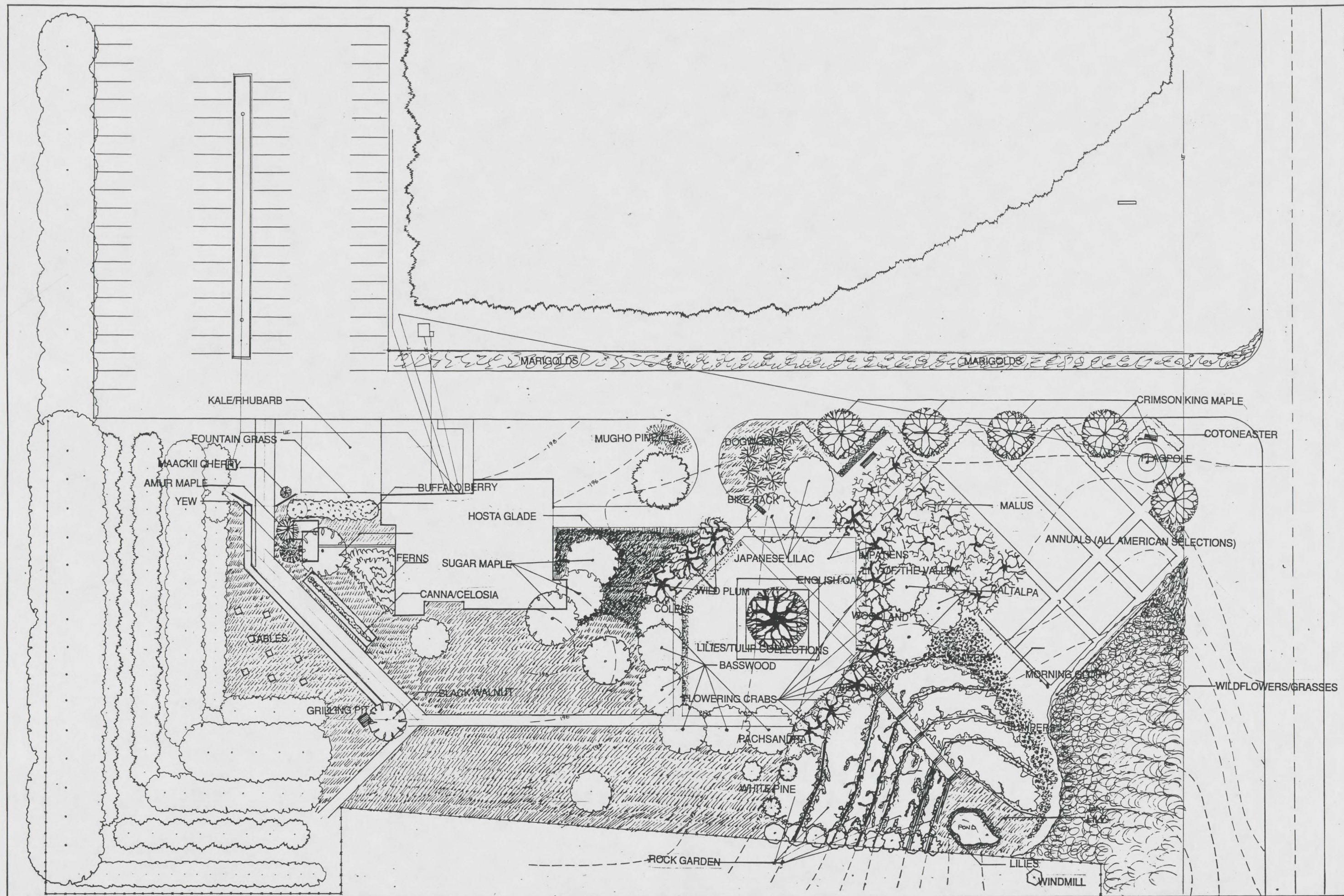


detail of the flag pole and surrounding plant material



cross section beginning south of the service drive and ending in the southwest corner





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN





KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
	1	Acer ginnala	Amur Maple		
	5	Acer platanoides "Crimson King"	Crimson King Maple	45'	
	4	Acer saccharum	Silver Queen Maple	20'	
	3	Catalpa speciosa	Northern Catalpa	20'	
	1	Juglans nigra	Black Walnut		
	6	Malus "David"	Flowering Crabapple	20'	
	10	Malus "State Fair"	Flowering Crabapple	15'	
	3	Prunus americana	Wild Plum	20'	suckers
		Prunus maackii	Amur Cherry		
	1	Quercus robur	English Oak		specimen
	8	Tilia americana	Basswood	20'	
	16	Juniperus horozontalis "Wiltonii"	Wiltoni Juniper	5'	
	5	Juniperus sabina "Broadmoor"	Broadmoor Juniper	5'	
	2	Picea glauca	White Spruce	30'	
	2	Pinus mugho	Mugho Pine	4'	
	1	Taxus cuspidata	Japanese Yew		
	9	Cornus sericea	Red-Twigged Dogwood	5'	clumped
	45	Cotoneaster lucida	Hedge Cotoneaster	5'	hedge
	8	Shepherdia argentea	Buffalo Berry	5'	
	2	Syringa reticulata	Japanese Lilac	20'	
		Ipomea purpurea	Morning Glory		
		Pachysandra terminalis	"Silver Edge" Pachysandra	6"	
		Pachysandra terminalis	"Green Carpet" Pachysandra	6"	
Ferns	20	Diantumpedatum	Maidenhair Fern	12"	
	10	Matteuccia struthiopteris	Ostrich Fern	12"	
	5	Athyrium filix femme	Lady Fern	12"	
Rock Garden		Phlox subulata	Phlox		scattered on slope
		Lobelia erinus	Lobelia		scattered on slopes
		Sedum sp.	Stonecrops		scattered on slopes
		Achillea filipendula	Yarrow		scattered on slopes
		Potentilla reptens	Potentilla		scattered on slopes
Canna	20	Canna "The President"	Canna	2'	
	40	Amaranthaceae	Celosia	6"	
Hosta Glade	30	Funkia fortunaia	Hosta Albo	2'	
	30	Krossa regal	Hosta Regal	2'	
	30	Funkia	Hosta Blue Angle	2'	
Understory	400	Begonia semperflorens "Cocktail"	Begonia Cocktail	6"	
	400	Coleus "Scarlet Poncho"	Scarlet Poncho Coleus	6"	
		Impatiens "Parade of Stars"	Parade Of Stars Impatiens	6"	
		Convalaria majalis	Lily Of The Valley	6"	
Woodlands		Acthea alba	White Baneberry		
		Arisaema triphyllum	Jack-in-the-Pulpit		
		Geranium maculatum	Wild Geranium		
		Smilacina racemosa	False Soloman's Seal		
		Polygonatum pubescens	Small Soloman's Seal		
		Hepatica actiloba	Hepatica		
		Anemone quinquefolia	Wood Anomone		
		Uvularia grandiflora	Trillium		

East Entry	Tagetes erecta "Gold Lady"	Marigold	6'	
	Tagetes erecta "Primrose Lady"	Marigold	6'	
Flag Pole	Salvia splendons	Salvia	6"	
	Ageratum	Ageratum	6"	
	Lobularia maritina	"Royal Carpet"	6"	
	Lobularia maritina	"Carpet of Snow"	6"	
Prairie		Little Blustem		by the pound
		Purple Cone Flower		
		Prairie Brome Grass		
		Sunflower		broadcast
Bulbs	Tulipa sp.	Tulip		All American Selection
	Scilla sp.	Scilla		naturalized effect
	Narcissus sp.	Daffodils		naturalized effect
	Lilium sp.	Lily		naturalized effect
		Wild Flowers		mesic mix

The original campus of the West Central School of Agriculture is the basis for this design. The layout of the Alumni Garden comes directly from the layout of the campus walkways and their triangular intersections.

A replica of the school gate creates a special entry to the garden. The path, lined with canna and celosia representing school lockers, leads to the cafeteria or in this case a picnic area and grill pit.

As the path moves south the site opens up allowing views of the pasture land, river basin and the University campus. This area represents the athletic field suitable for different types of group activities.

Following the path southward a stately oak stands alone in an intersection of two squares symbolizing the school teacher. This is an intimate space virtually enclosed within a bosque and surrounded by lilies and tulips. The southeastern section, along the highway, is occupied by large perennial, annual and wild flower beds. With the apple orchard as a backdrop it creates a spectacular sight for those driving by the experiment station.

As the land slopes down to the west a pond banked by day lilies provides another quiet secluded seating area. Terraced steps through a rock garden lead back to the center and allows for another view of the planting beds and the agricultural plots.

The rectangular, room shaped agricultural plots are again a symbolic replica of the old school classrooms.

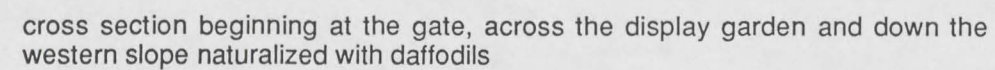
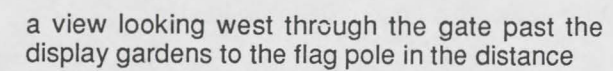
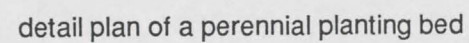
This garden design resurrects the fundamentals of the old school campus transposing wood, brick, stone and pavement into flowers, shrubs and trees to recapture the essence of the West Central School of Agriculture.



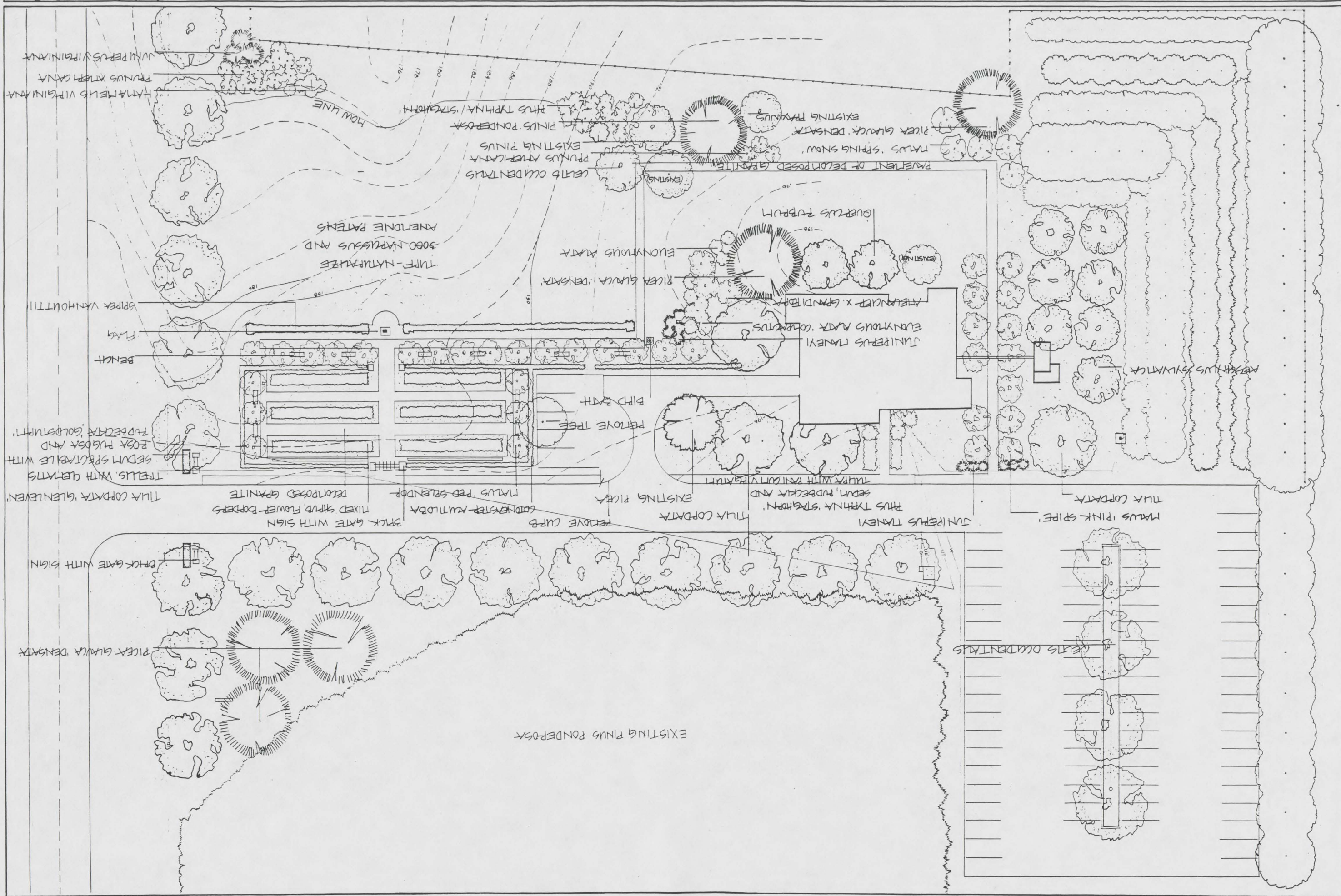
# SHERRI BUSS

*.....I would like to  
naturalize 3000  
daffodils on the  
slope, one for each  
of the students and  
faculty members, to  
symbolize their  
spilling out into the  
world.*











KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
	7	Aesculus sylvatica	Painted Buckeye	25'	trim lower branches
	3	Amelanchier grandiflora	Serviceberry	12'	try "Autumn Brilliance"
	6	Celtis occidentalis	Common Hackberry	40'	+ 1 existing
	13	Malus "Pink Spire"	Pink Spire Crabapple	15'	
	22	Malus "Red Splendor"	Red Splendor Crabapple	15'	
	5	Malus "Spring Snow"	Spring Snow Crabapple	15'	
	15	Prunus americana	American Plum	8'	prune tree to form
	2	Quercus rubrum	Red Oak	25'	+ 1 existing
	21	Tilia cordata "Glen Leven"	Little Leaf Linden	40'	
	11	Juniperus maneyi	Maney Juniper	5'	
	3	Juniperus virginiana	Red Cedar	10'	try "Canaertii"
	5	Picea glauca densata	Black Hills Spruce	40'	
	1	Pinus ponderosa	Ponderosa pine	40'	
	275	Cotoneaster acutifolia	Peking Cotoneaster	2'	clip as hedge 4-5'
	3	Euonymus alata	Winged Euonymus	7'	
	7	Euonymus alata "compacta"	Dwarf Winged Euonymus	5'	
	5	Hamamelis virginiana	Witch Hazel	5'	
	17	Rhus typhina	Staghorn Sumac	6-8'	
	30	Rosa rugosa	Rugosa and Shrub Rose		annual borders
	300	Alcea rosea	Hollyhock		white, pink, lavender, or
		Anemone pulsatilla	Pasque Flower	18"	pale yellow for all bor-
		Aquilegia sp.	Columbine		ders
		Aster sp.	Aster		
		Cosmos bipinnatus	Cosmos		
		Chrysanthemum	Mums and Daisies		
		Dahlia sp.	Dahlia		
		Dicentra	Bleeding Heart		
		Gypsophila sp.	Baby's Breath		
		Heuchera sp.	Coral Bells		
		Lobularia maritima	Allysum		
		monarda sp.	Bee Balm		
	3000	Narcissus sp.	Daffodils	12"	naturalize on slope
		Nicotiana sp.	Flowering Tobacco		
		Paeonia sp.	Peony		
	10	Panicum virgatum	Ornamental Grass	3'	plant with sedum
	20	Rudbeckia "Goldsturm"	Black-Eyed Susan		
	60	Sedum "Spectabile"	Showy Stonecrop		
	300	Tulipa sp.	Tulip "Red Appledorn"	8"	
		Viola sp.	Pansies		
	15	Clematis sp.	Clematis	5'	space on trellus

This design is driven by three objectives: to commemorate the alumni and the West Central School of Agriculture; to create pleasing and comfortable spaces; and to integrate the site with the surrounding landscape.

A replica of the school gate marks the entry drive to the Experiment Station Administrative building as well as the Alumni Garden. To the left large display gardens host many flowers and shrubs reminiscent of the past such as hollyhocks, shrub roses, lilies, and morning glories. Their southeastern exposure allows passing motorists full view of this terraced border.

West of the display garden, the flag pole stands on a slope naturalized with daffodils each representing a student or faculty member.

North of the display garden is a secondary entrance and a handicapped parking lot. This entrance provides for those wishing a shorter walk through the garden.

The main entrance is located across from the large parking lot to the north. The garden entry is indicated by evergreen shrubs and a walkway framed by an allee of apple trees reminding the visitor of the apple orchard fondly described by the alumni.

The allee opens up, west of the building, to a grassy area suitable for large group gatherings or picnics. To the south a more intimate area is provided for smaller groups. Both of these meeting places have sheltered seating which overlooks the river valley to the west.

This garden design beautifully integrates itself into the surrounding landscape and allows the visitor to get a sense of the land while reminding the alumni of the West Central School of Agriculture just what the land means to them.



# JOE FAVOUR

*.....it is the rural influence which makes the WCSA special so I think this garden should denote the context of the land from which the students came and to which many have returned.*





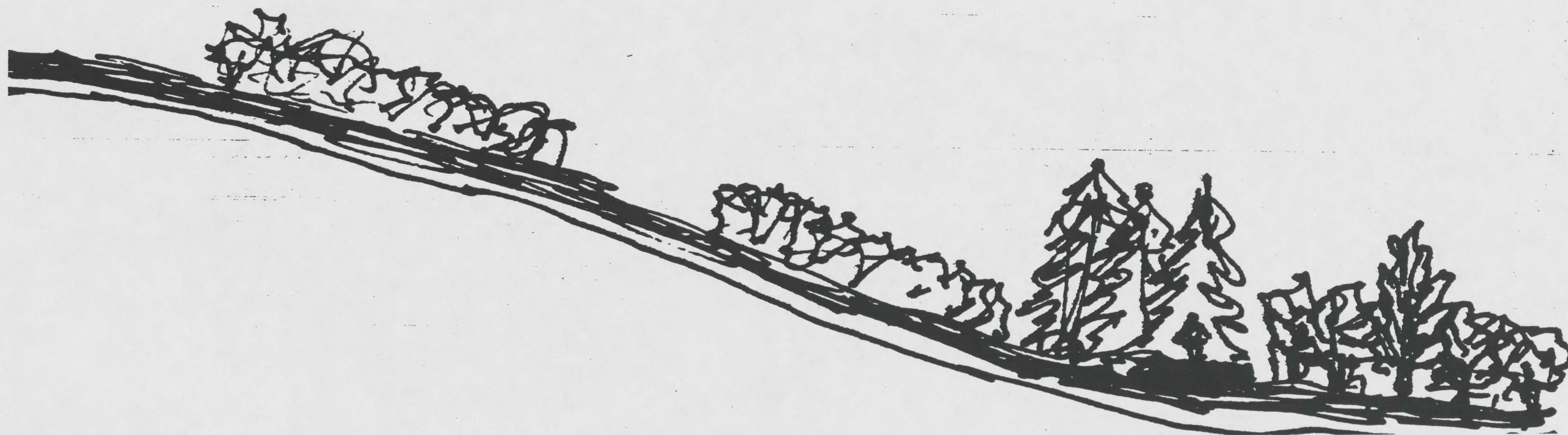
a view of the entrance featuring the flag pole



a replica of the old school gate

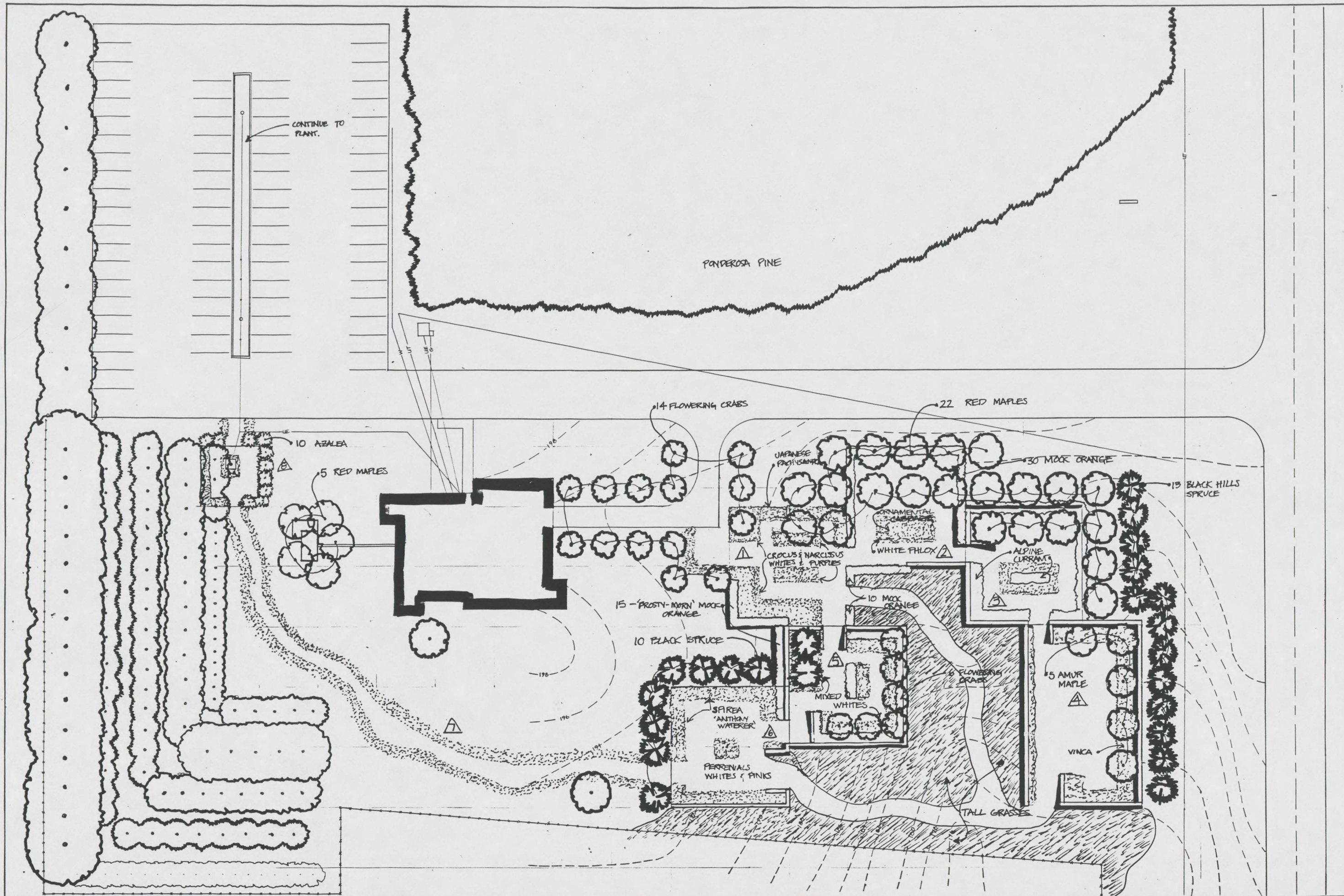


a stone retaining wall and plant material



a north/south cross section looking west







KEY	QTY	BOTANICAL NAMES	COMMON NAMES	SPACING	COMMENTS
	5	Acer ginnala	Amur Maple	EQ. TYP.	
	27	Acer rubrum	Red Maple	EQ. TYP.	
	20	Malus sp.	Flowering Crabapple	EQ. TYP.	
	23	Picea glauca densata	Black Hills Spruce	EQ. TYP.	
	55	Philadelphus "Minnesota Snowflake"	Minnesota Snowflake Mockorange	3'	3'-8' varieties
	45	Potentilla tridentata	Potentilla	8"	in full sun
	30	Ribes odoratum	Clove Currant	2'	yellow
	15	Rosa rugosa "Henry Hudson"	Hardy Rose	2'	double white blossom
	25	Spirea bulmalda "Anthony Waterer"	Anthony Waterer Spirea	3'	
		Pachysandra terminalis	Japanese Pachysandra	6"	
1	80	Crocus sp.	Crocus	8"	whites, purple
1	70	Narcissus sp.	Narcissus	8"	white
2	30	Phlox subulata	Creeping Phlox	12"	blue, white
2	20	Brassica oleracea	Flowering Kale	18"	
4		Vinca minor	Vinca	8"	shade
4	30	Hosta sp.	Varigated Hosta	12"	full sun
4	40	Convallaria majalis	Lily Of The Valley	4"	full sun
5	25	Chrysanthemum x morifolium	Shasta Daisy	18"	sun border
5	30	Phlox subulata	Creeping Phlox	12"	white
6	30	Dianthus chinensis	Pinks	10"	sun
6	40	Polygonum reynoutria	Fleeceflower	12"	sun
7			Mixture of above plants		use white blossom edge
8	40	Viola sp.	Violets	8"	white, blue, pink
			Big Bluestem		
			Little Bluestem		
			Chinese Plume Grass		
			Fountain Grass		

The rural American township and section grid provides the basic layout structure for this terraced garden design. The entire site was divided into thirty by thirty foot sections, the terraces were formed by combining these sections as they lay across the natural contours of the land.

The existing flagpole and plaque mark the arrival point for those using the main parking lot. This path is protected from the north wind by the existing shelter belt and is shaded from the summer sun by red maples to the south. The bordering shrubs and ground covers help to lead one directly to the main entry.

As one enters the garden the terraces become evident, each is connected by ramps which makes the garden handicapped accessible. Individual spaces are created by vegetative walls of Minnesota Snowflake mock orange. This plant was propagated in Minnesota and hence was chosen as a 'Minnesota plant'.

A second entrance to the garden is located off the southern side of the Experiment Station Administration building . A flowering crabapple allee and the use of crocus and narcissus provide a magnificent spring show and continue through the summer with a nice foliage display.

In the center of the garden native prairie grasses blend and harmonize with the neighboring pasture land and allow for views into the river valley below and across to the university campus in the distance.

To the south of the garden evergreens block the strong winds and provide winter color as they did during the WCSA school year. Through out the garden color is an important feature of this design. An abundance of showy spring flowers and foliage chosen for it's brilliant fall color serve to symbolize and remind the alumni of the beginning and ending of the school season.

Each terrace in this garden provides a unique experience whether it be a shaded place for sitting; a chance to catch a view of the valley; a forgotten memory of the past or a quiet stroll.

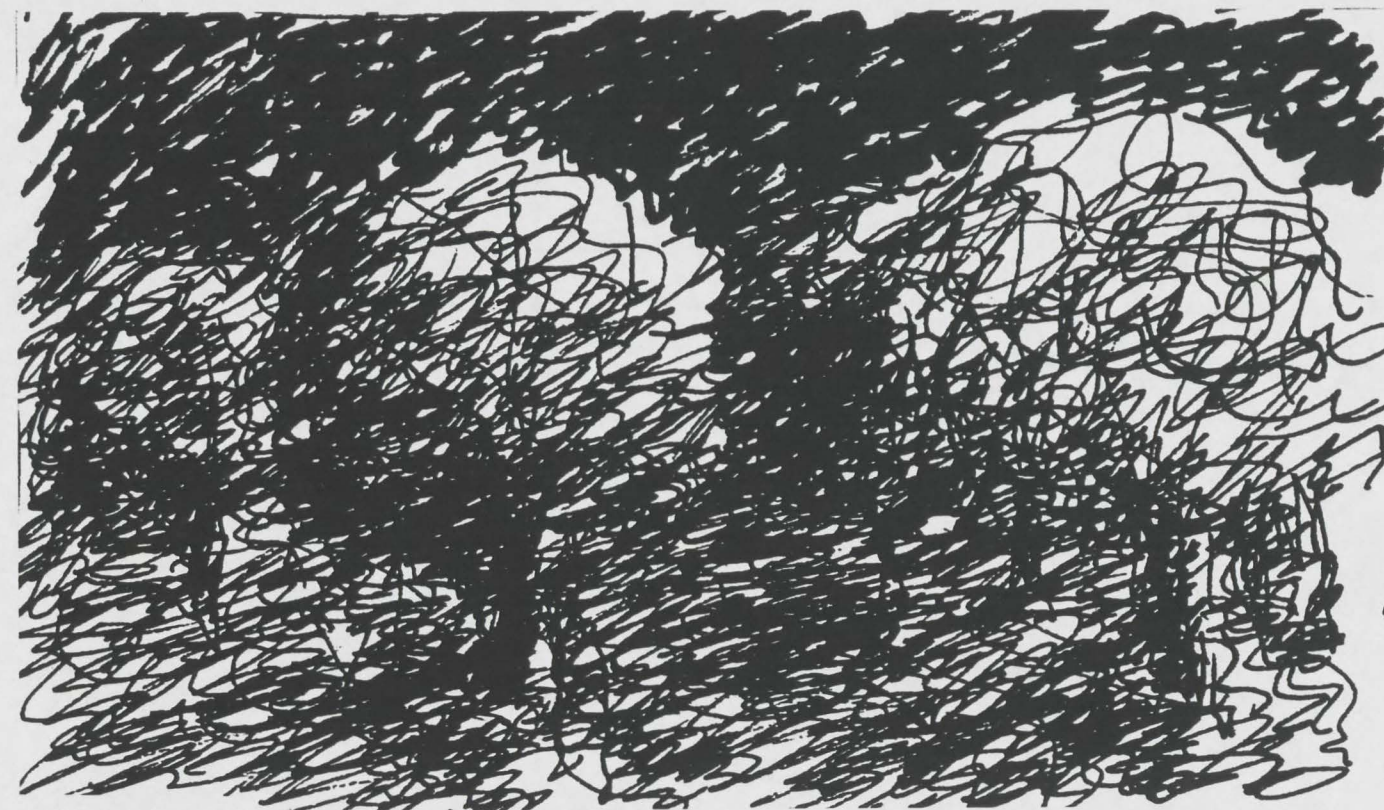


# PAUL GREENWALD

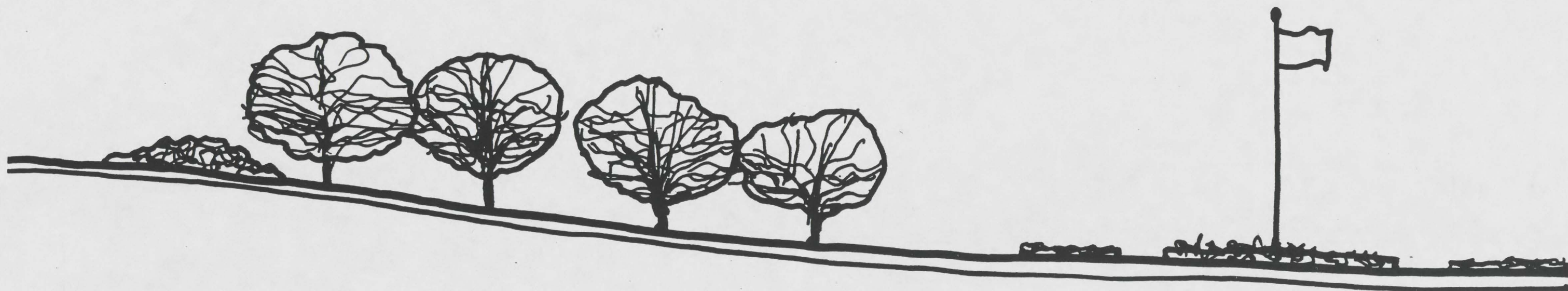
*.....I would like to  
recreate the sinuous  
flow of the river upon  
the land to symbol-  
ize the impact the  
alumni have had  
since their days at  
the WCSA.*



view of the main entrance

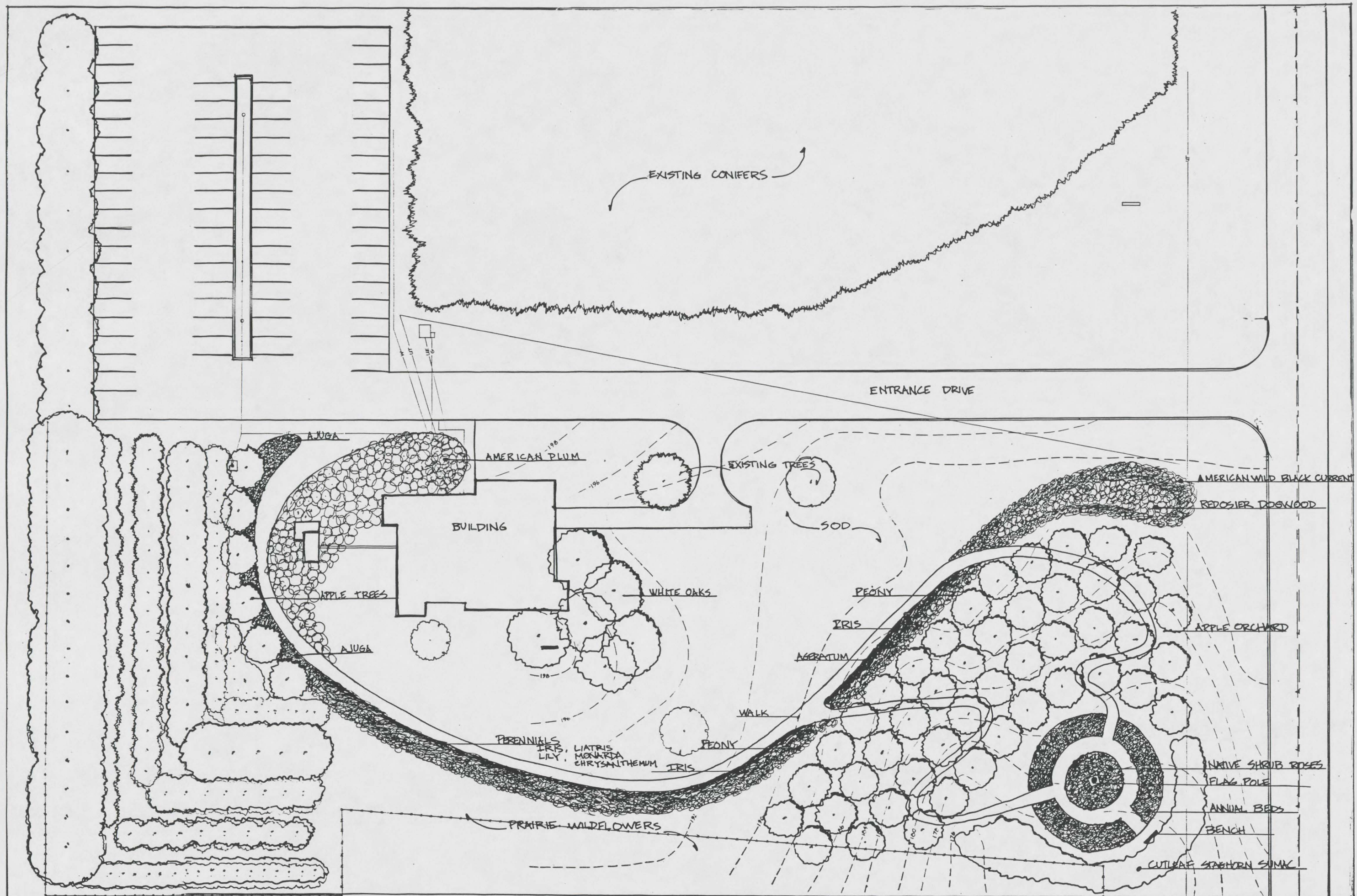


the apple orchard



cross section of the southwest portion of the garden from the flower beds  
in the north to the flag pole in the south





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN





KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
	47	Malus sp.	Flowering crabapple	20'	
	6	Malus sp.	Flowering Crabapple		no fruit variety
		Prunus americana	Wild Plum	3'	
	5	Quercus alba	White Oak		
		Cornus sericea	Redosier Dogwood	4'	
		Rhus typhina lacinata	Cutleaf Staghorn Sumac	8'	
		Ribes americanum	American Wild Black Currant	2'	
		Rosa sp.	Shrub Rose	3'	
		Ageratum houstonianum	Ageratum	6"	
		Chrysanthemum	Chrysanthemum	1'	
		Iris x germanica	Tall Bearded Iris		
		Iris pumila	Dwarf Iris		
		Liatris	Liatris	1'	
		Lilium spp.	Lily		
		Monarda didyma	Monarda	1'	
		Paeonia lactiflora	Peony	2'	
		Ajuga reptans	Ajuga	1'	

The Pomme du Terre river is the inspiration for this garden design. A flowing sweep of annual and perennial beds recreates the sinuous movement of the water upon the curves of the land.

The entry to this garden begins at the main parking lot. The arrival is marked by a narrow pathway enclosed by plant material. To the north the wind break has been extended and the walkway is further defined by a carpeting of ground cover. To the south a bosque of wild plum restricts views of the building thus propelling you onward as the path way opens up to border the flower beds. At this point the view is directed inward towards the color and texture of the annual and perennial plantings. Simultaneously the view expands outward to a western vista overlooking a wild flower field, the river and the university campus on the horizon.

In the southeastern section of the site an apple orchard fills in the bend created by the winding stream of flowers. The orchard is a fond reminder to the alumni of their days at the West Central School of Agriculture campus.

The perennial beds are culminated in the southeastern corner by a bosque of american wild black currant and redosier dogwood.

To the west the flag pole stands engulfed by varying heights of flowers and shrubs, its verticality reinforced by the shrub plantings circling it's base.

Energy conservation is also important in this design. The Experiment Station Administration building is shaded to the south west by five white oaks. This planting also allows for a shaded seating area from which to enjoy the many facets of the garden and the views off site.

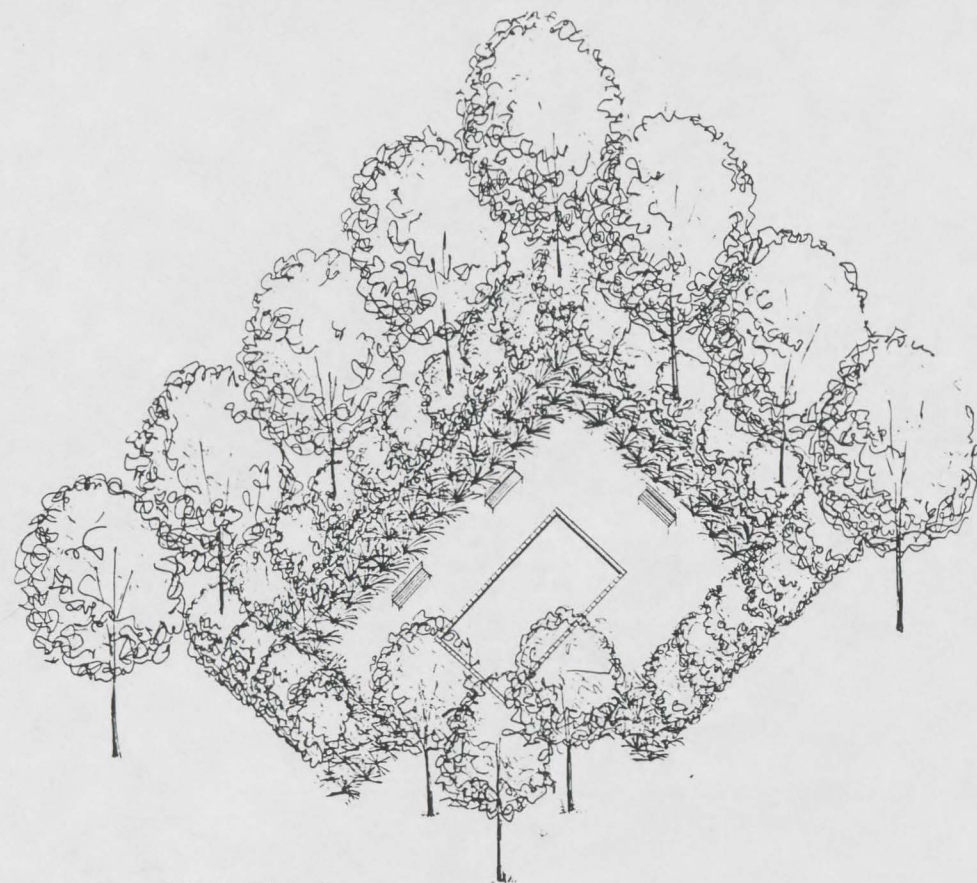
This design imbues a subtle grace as the colorful flower beds sweep across the garden. With each bend or meander in the flow the visitor will find unique and memorable experiences.



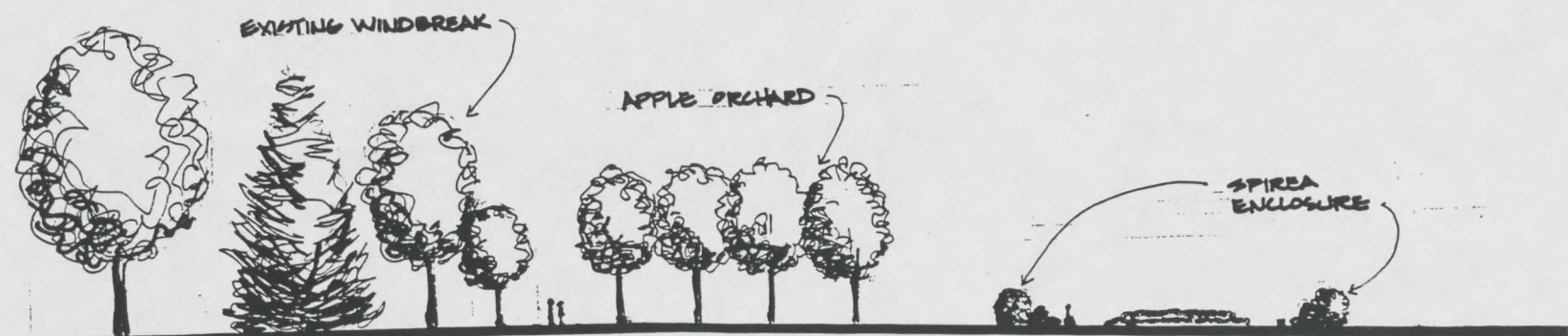
# BARBARA HANSON

*.....a photograph of a pool with the caption 'a secluded nook' inspired me to create a similar place. I feel its beauty, peace and tranquility pay tribute to all those who pass through the WCSA.*





aerial view of the pool nook

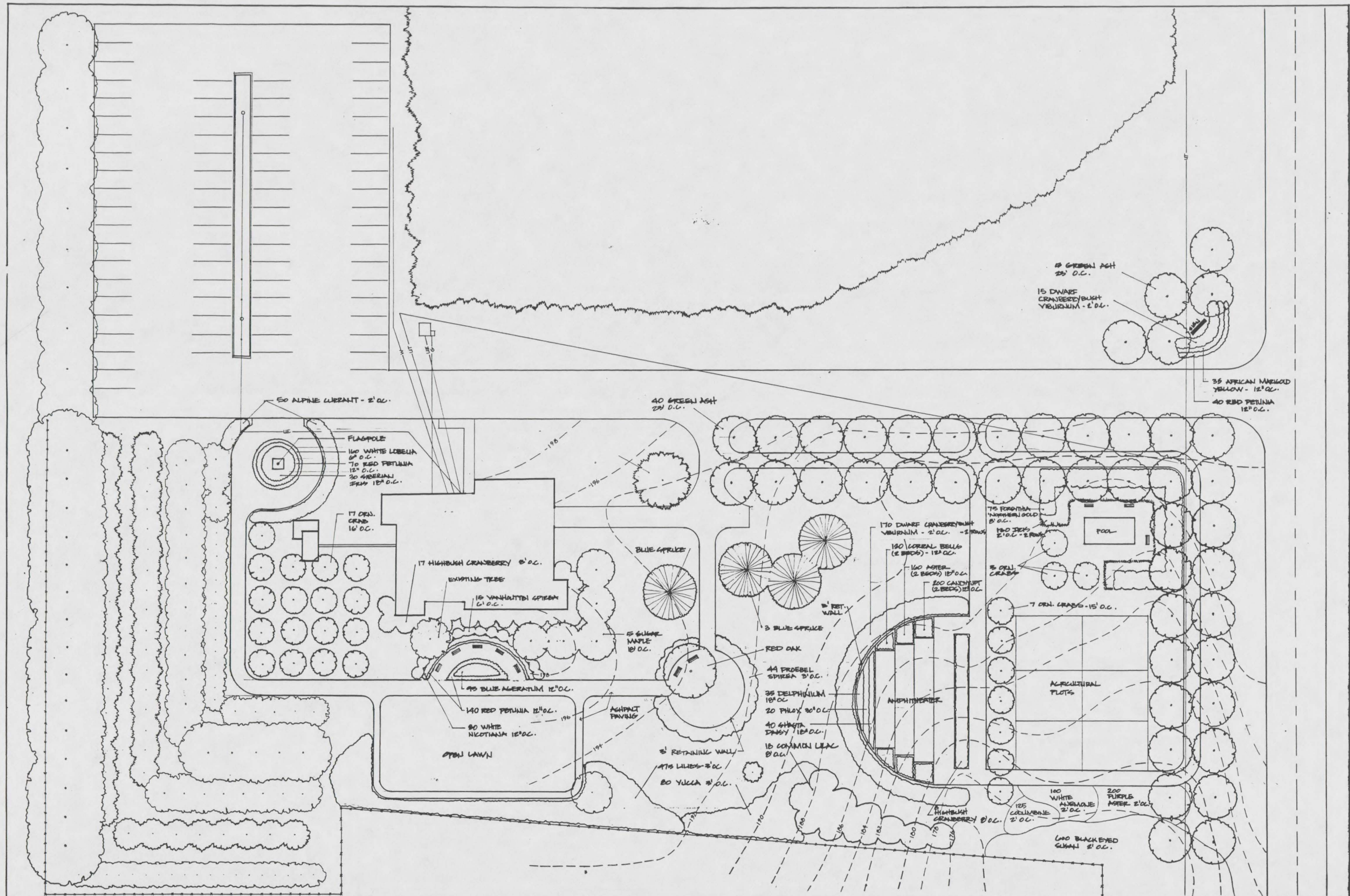


cross section of the windbreak, apple orchard and the spirea and highbush cranberry niche



cross section beginning at the solitary red oak through the amphitheatre to the southern border







KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
	5	Acer saccharum	Sugar Maple	18'	
	45	Fraxinus pennsylvanica	Green Ash	25'	
	27	Malus sp.	Ornamental Crabapple	16'	
	1	Quercus borealis	Red Oak		
	4	Picea pungens glauca	Colorado Blue Spruce	25'	
	75	Forsythia sp.	Forsythia "Northern Gold"	8'	
	50	Ribes alpinum	Alpine Currant	2'	
	185	Spirea bumalda "Froebeli"	Froebel Spirea	3'	
	15	Spirea x vanhouttii	Vanhoutte Spirea	6'	
	18	Syringa vulgaris	Common Lilac	8'	
	44	Viburnum opulus nanum	Dwarf European Cranberrybush	3'	
	25	Viburnum trilobum	American Highbush Cranberry	8'	
	80	Yucca alavea	Yucca	3'	
	95	Ageratum houstonianum	Blue Ageratum	12"	
	100	Anemone canadensis	Anemone	2'	white
	125	Aquilegia canadensis	Wild Columbine	2'	
	160	Aster spp.	Aster	18"	blue
	200	Aster spp.	Aster	2'	purple
	40	Chrysanthemum x superbum	Shasta Daisy	18"	
	35	Delphinium elatum	Delphinium	18"	purple
	120	Huechera sanguinea	Coral Bells	12"	
	200	Iberis sempervirens	Candytuft	12"	
	65	Iris cristata	Crested Iris	2'	
	65	Iris hybrida	Bearded Iris	2'	
	30	Iris siberica	Siberian Iris	18"	purple
	475	Lily spp.	Lily	3'	
	160	Lobelia erinus	White Lobelia	12"	
	250	Petunia hybrida	Petunia	12"	red
	20	Phlox divaricata	Phlox	30"	pink
	80	Nicotiana alata	Nicotiana	12'	white
	600	Rudbeckia hirta	Blackeyed Susan	2'	
	35	Tagates erecta	African Marigold	12'	yellow

This design is intended to create a place that will spur memories in the alumni of their days at the West Central School of agriculture. Through careful placement of plant material and structures the site becomes a place for a variety of experiences.

The arrival, marked by the flag pole, leads visitors into the enclosure of the apple orchard which opens up to spectacular views to the west of the river valley. A niche carved out of highbush cranberry and vanhoute spirea create an intimate sheltered seating area allowing individuals respite from group activities on the open turf area.

Continuing on to the south the path leads to a solitary oak tree. The strength and comfort of this single tree creates a place of its own on the promontory, surrounded by lilies, which overlooks the forest and the agricultural plots in the distance.

In the center of the garden an amphitheatre is integrated into the existing slope with steps of flowers leading to a backdrop of highbush cranberry. To the south the amphitheatre looks out onto the agricultural plots and the encompassing view of the agricultural landscape.

The pool nook, inspired by a picture in the WCSA yearbook early this century, is a secluded place of peace and tranquility. The calming effect of the water together with the color, fragrance and texture of the flowers envelop the senses with the very meaning of the word garden.

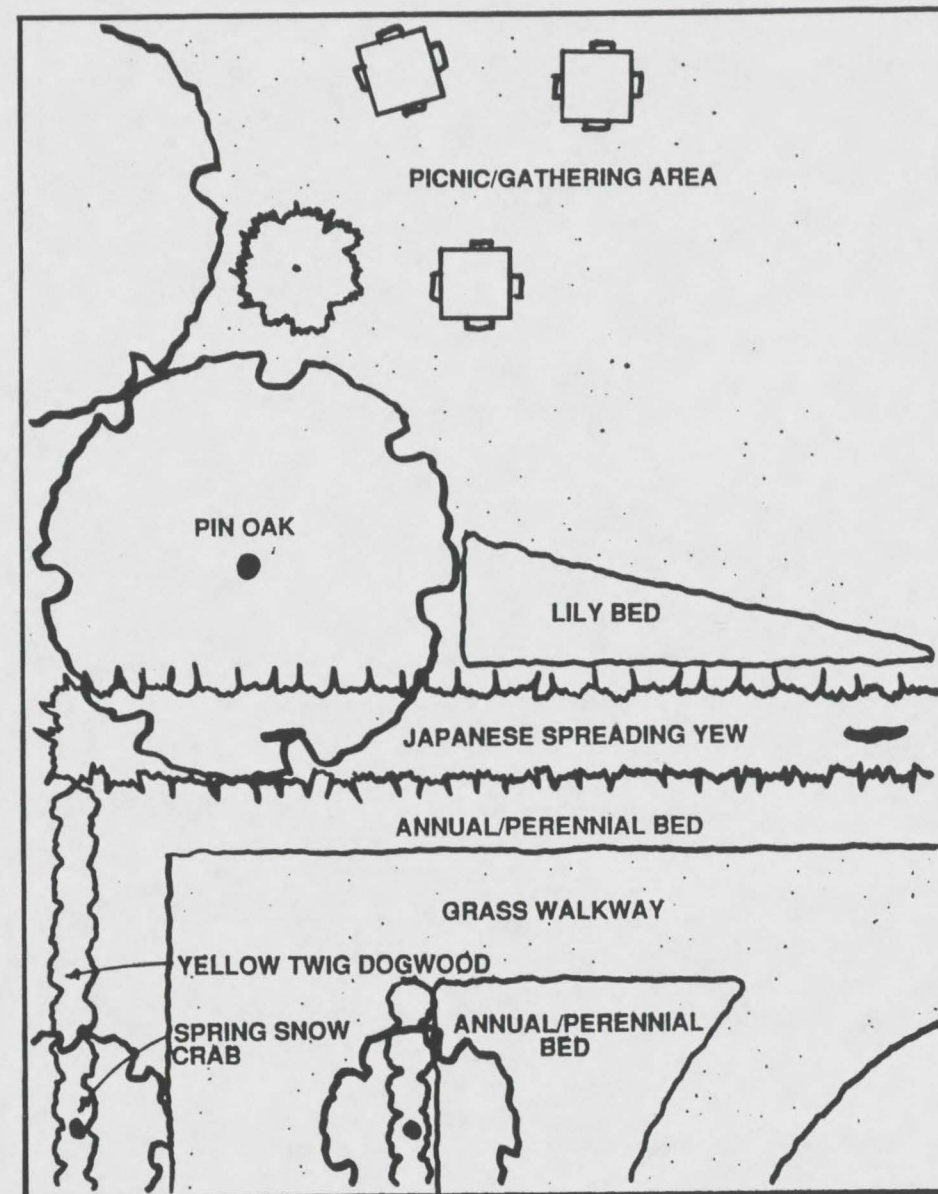
This design creates a beautiful and meaning tribute to the students and faculty of the west central school of agriculture.



# ERIC JOHNSON

*.....to leave the warmth and security of one's home at such an early age provided the students who attended the WCSA a unique experience. I would like all those who visit this garden to once again enjoy that time of wonder and learning.*





detail of the west central section of the garden  
denoting the picnic area, lily and annual beds



cross section depicting an eastern view through the center of the garden beginning  
at the south of the building







KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENT
	5	Acer ginnala	Amur Maple		
	7	Acer platanoides	Emerald Queen Maple		
	3	Fraxinus pennsylvanica lanceolata	Marshall's Seedless Ash		
	10	Malus "Spring Snow"	Spring Snow Crabapple		
	4	Populus tremuloides	Quaking Aspen		
	6	Prunus virginiana	Chokecherry		
	4	Quercus palustris	Pin Oak		
	8	Quercus rubra	Red Oak		
	10	Syringa murensis japonica	Japanese Tree Lilac		
	6	Picea Abies	Norway Spruce		
	42	Cornus stolonifera baileyi	Red Twigged Dogwood		
	52	Cornus stolonifera flaviramea	Yellow Twigged Dogwood		
	108	Cotoneaster divaricata	Spreading Cotoneaster		
	62	Euonymus elatus	Burning Bush Euonymus		
	46	Syringa velutina "Miss Kim"	Miss Kim Lilac		
	114	Taxus cuspidata	Japanese Spreading Yew		
	10	Parthenocissus tricuspidata	Boston Ivy		
A	380		Floribunda Rose	12"	red
B	450		Horned Violet	10"	white
C	380		Floribunda Rose	12"	red
D	450		Horned Violet	10"	white
E	300		Iris	10"	pink
F	442		Cosmos	10"	pink
G	186		Primrose	10"	white
H	466		Fairy Primrose	10"	pink
I	366		Canna	12"	
J	40		Mint Julip Juniper	4'	
K	373		Alyssum	12"	white
P	915		Bluebonnet	10"	blue
Q	118		Wood Fern	3'	
R	40		Rhododendron	3'	
S	96		Creeping Polemonium	2"	blue
T	365		Blanche Burpee	10"	blue
U	886		Azure Sage	12"	blue
V	250		Forget Me Not	10"	blue
W	466		Flaxleaf Pimpernel	10"	blue
X	465		Coreopsis	10"	yellow
Y	582		Marigolds	10"	gold
Z	195		Anemone	10"	blue
AA	300		Geranium	10"	red
BB	150		Dusty Miller	10"	silver
CC	391		Lily Of The Valley	10"	white
DD	499		Wild Ginger	10"	
EE	161		Wood Fern	2'	
FF	638		Anemone	10"	purple
GG	133		Maidenhair Fern	2'	
HH	582		Geranium "Johnson's Blue"	10"	blue
II	162		Hosta	2'	
JJ	218		Maidenhair Fern	2'	
KK	290		Columbine	12"	
LL	1235		Impatiens	10"	pink

The unique experiences of a stroll garden is the focus of this design for the alumni of the West Central School of Agriculture.

The entry is marked by the flag pole and the visitor is guided in by a wall of Miss Kim lilacs to the south. Rounding the corner of the building, the wall is continued by amur maples to the west until the space opens up to a large turf area surrounded by lily beds. The West Central School of Agriculture flag claims prominence in the center.

A second entrance to the garden is located southeast of the building. An allee of spruce trees leads the visitor to a gateway bordered by japanese yew.

A long path leads through the first of many display gardens, each with its own sense of color, sound, shade or sun. The rose garden is located in the center of the site and borders both sides of the path culminating at a bed of canna. Here visitors would leave the bright sunshine and enter the shade garden. The overstory of quaking aspen provide a cacophony of sound while the mixture of flowers and ferns lend a subtle texture to the ground.

Winding back around to the south visitors enter a semi-shade garden at the edge of the aspen grove. Following the path to the southwest a more secluded portion of the garden waits behind flowering hedges.

The existing slope, to the west, is utilized as a natural amphitheatre. The arrival from the north is lined with red flowers and the staging area is backed by winged euonymus.

Other features of this garden design include the use of deciduous trees to provide shade and evergreens to block harsh winds while offering winter color.

This design allows the visitor to enjoy a variety of experiences by creating several unique settings in one design.

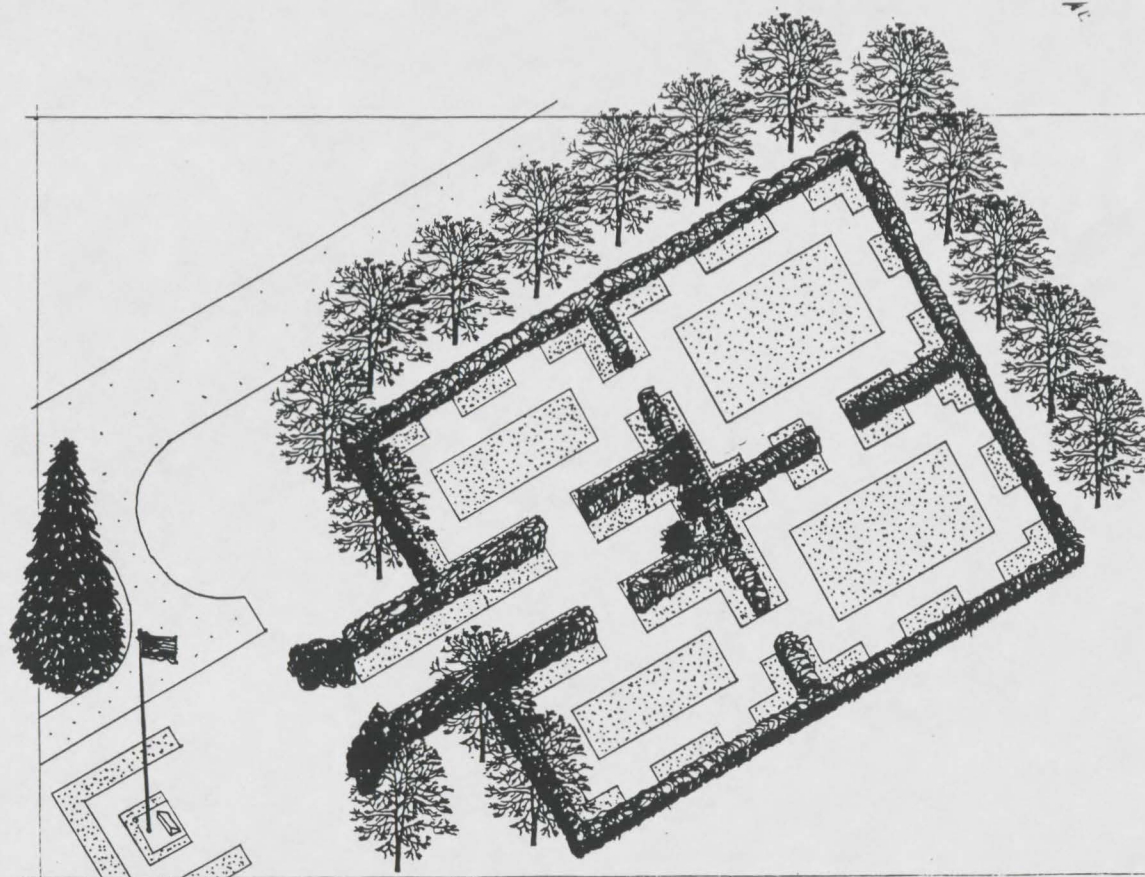


# LISA LANGER

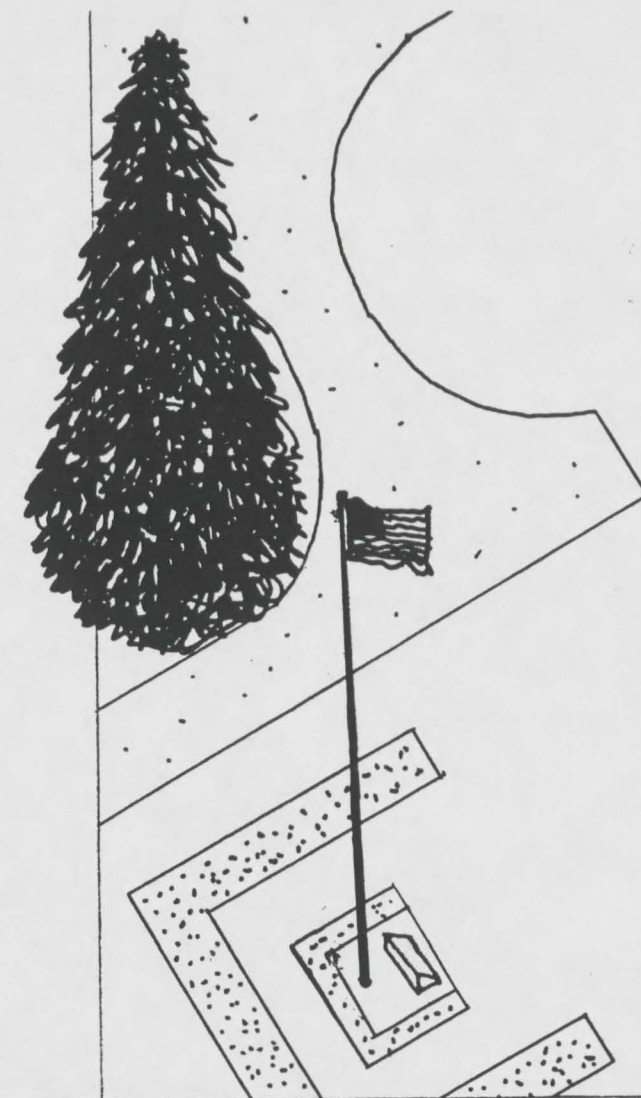
*..... the classroom,  
a place to accum-  
ulate wisdom and  
experience, exem-  
plifies the history of  
the WCSA.*

*I would like to con-  
tinue that odyssey of  
learning in my de-  
sign for the Alumni  
Garden.*

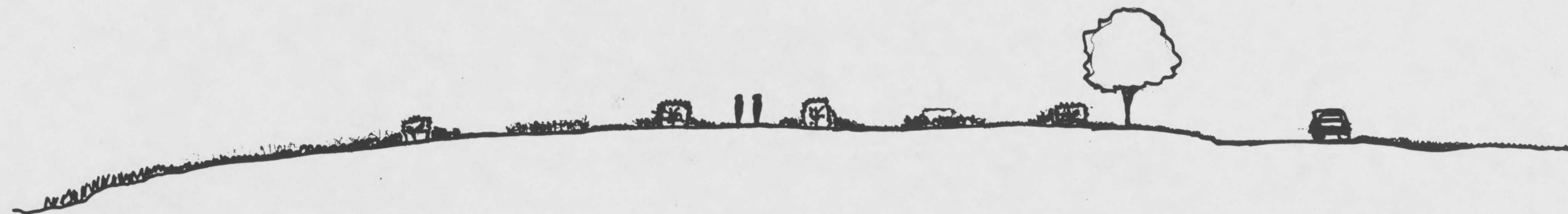




aerial view of the garden

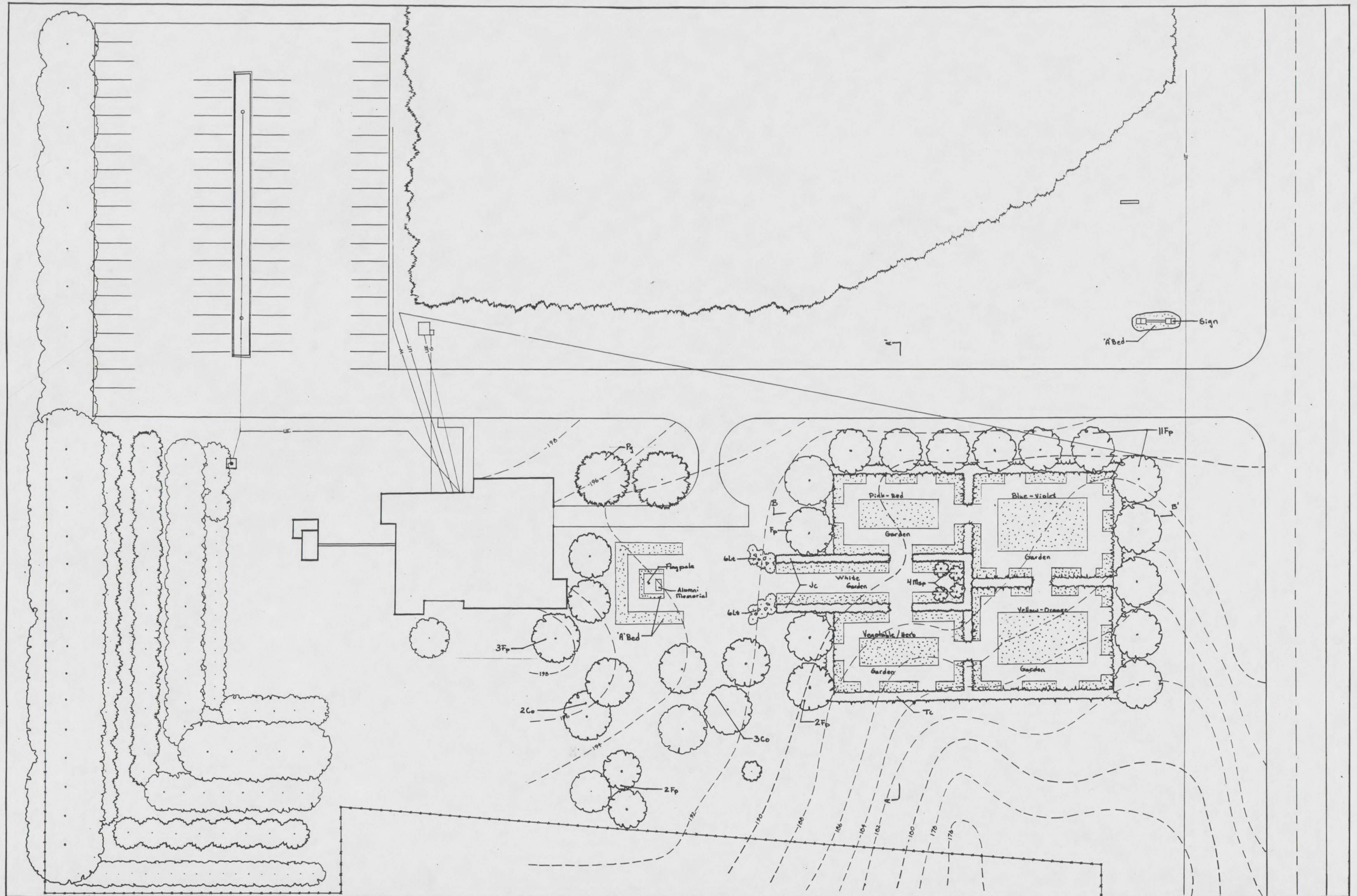


flag and granite plaque



cross section looking north from the driveway across the planting beds to the naturalized western slope





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN



KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
CO	5	Celtis occidentalis	Common Hackberry		
FP	19	Fraxinus pennsylvanica lanceolata	Green Ash		
JC		Juniperus chinensis maneyi	Maney Juniper		trim at 5'
LT	12	Lonicera tatarica alba	Tatarian Honeysuckle	4'	white
M	4	Malus sp.	Ornimental Crabapple		white
PG	1	Picea glauca densata	Black Hills Spruce		
TC		Taxus cuspidata	Spreading Japanese Yew		trim at 3.5'
			Annual and Perennial Beds		see text

The school classroom expresses the motivation behind this West Central Alumni Garden design. It is a place to learn; about the West Central School of Agriculture, its alumni and faculty and about both old and new varieties of plant materials.

The existing entrance sign to the Experiment Station has been moved and redesigned in the architectural fashion of the old school gate. This new sign will be placed nearer to the corner of the highway and the entry road.

The formal entrance to the garden begins at the southeast corner of the Experiment Station Administrative building. A small courtyard displays the flag pole immersed in 'u' shaped annual flower borders. To commemorate the students a granite plaque, bearing each of the students' names, is located at the base of the pole where the borders meet framing this tribute in a colorful display.

A gateway of honeysuckle shrubs separates the courtyard from the first of five unique annual and perennial gardens. The first, a corridor of juniper hedges encasing white flower beds, draws to a close at a seating area backed and shaded by four flowering crabapples.

The visitor, now in the center of the garden, is given the choice of four garden 'rooms' all enclosed by walls of japanese yew.

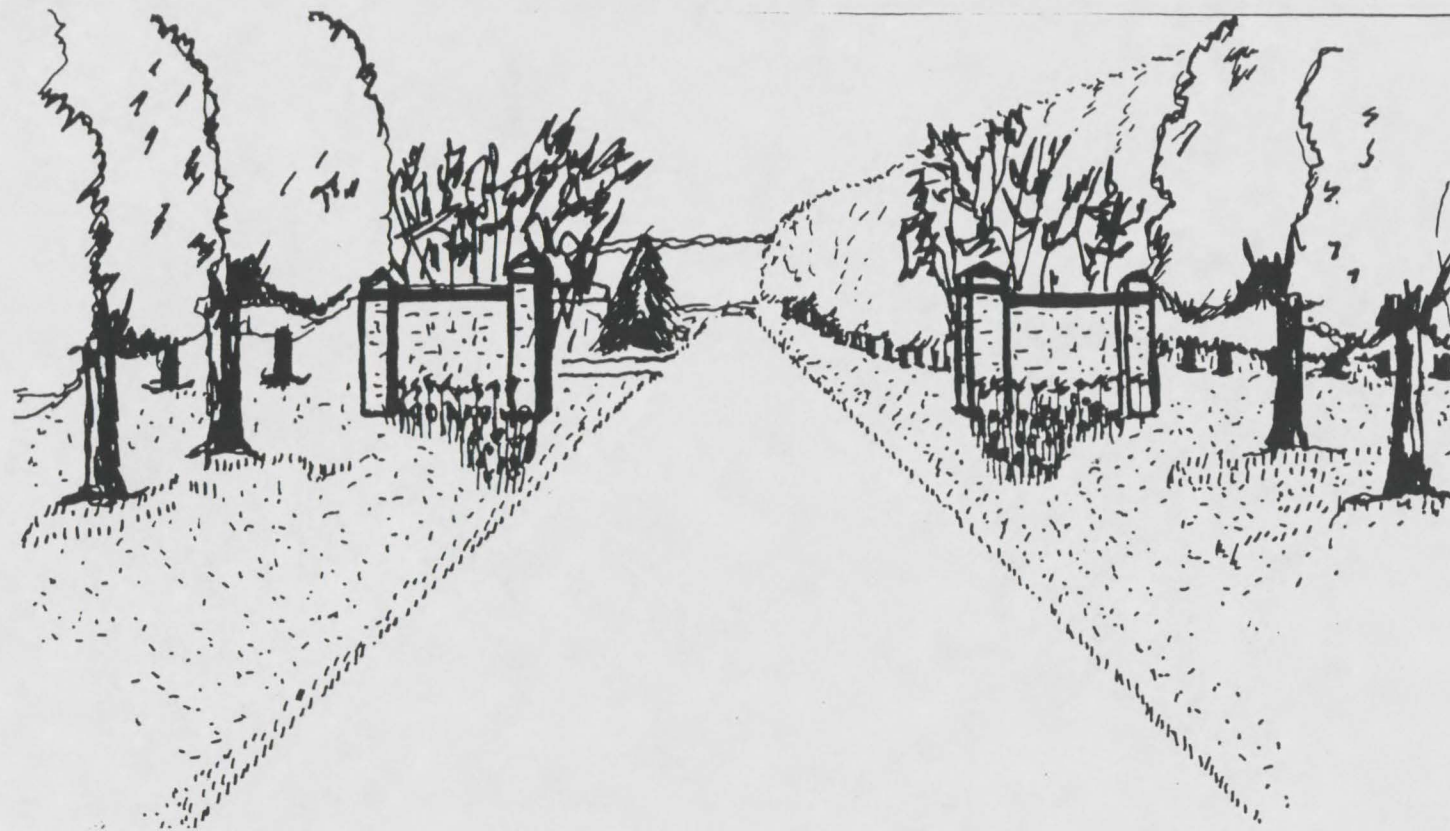
Around the perimeter of three sides, rows of green ash enhance the feeling of enclosure. The west side remains open to accommodate the view of the naturalized midwest prairie in the foreground and the river valley in the distance.

The classroom setting was a large part of the West Central school experience and this garden design speaks to that period of life for the alumni in both a subtle and gracious manner.

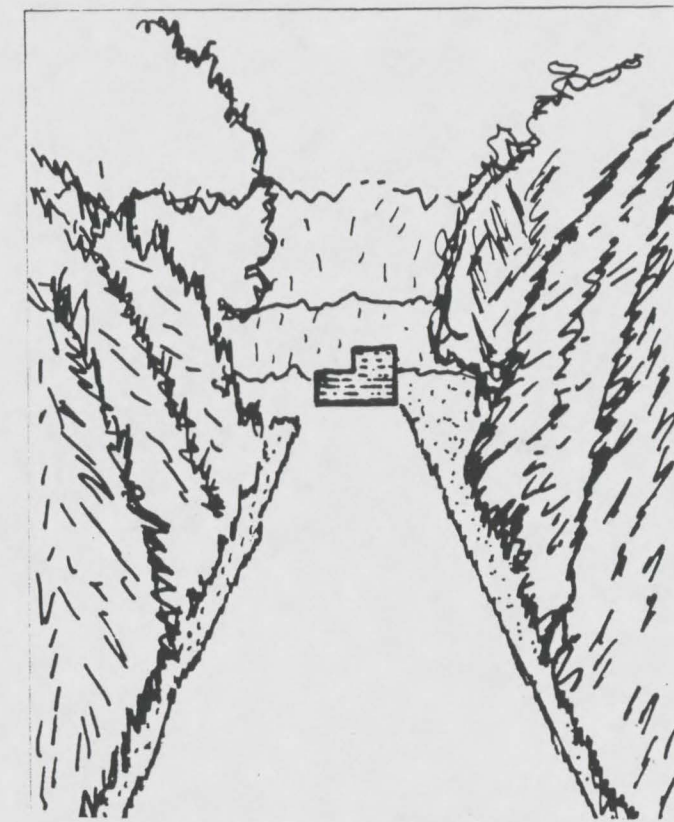


# DAVID LARSON

*.....one's pride in their school is shown in several ways; one of which is the adornment of color on clothing, pendants, flags and athletic wear. Color identifies a group and sets them apart as something special. I would like to use those school colors, both the original green and white and the later maroon and gold to once again proclaim the pride the alumni have for their alma mater.*



main entrance and gateway

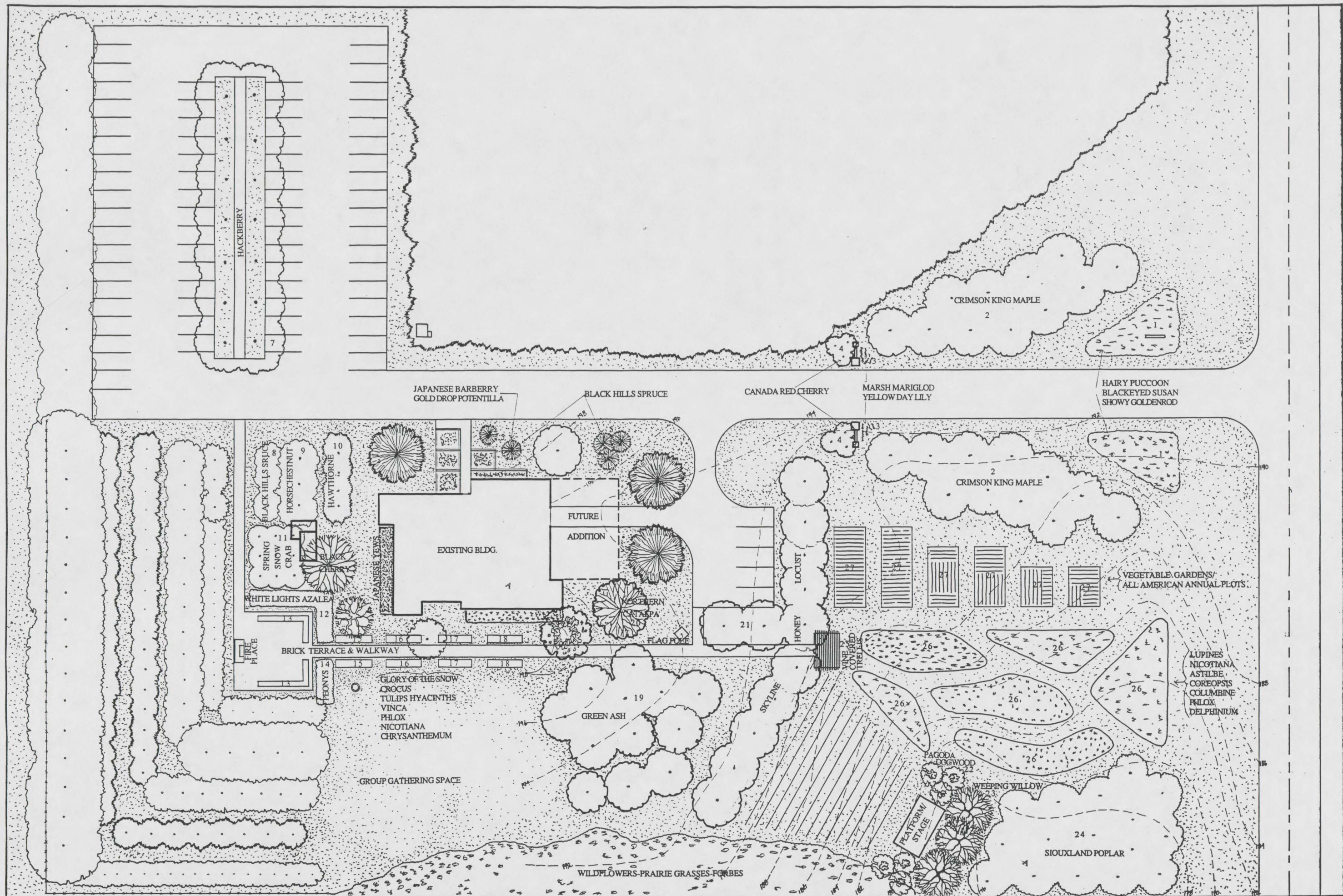


view to the west from the main parking lot



cross section looking east through the center of the garden





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN





KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
1	seed	Lithospermum croceum	Hairy Puccoon	random	May-June bloom
	seed	Rudbeckia hirta	Blackeyed Susan	random	July-August bloom
	seed	Solidago speciosa	Showy Goldenrod	random	August-October bloom
2	22	Acer platanoides	Crimson King Maple	20	
3	40	Tagetes	Marigold	12"	yellow-gold
	40	Hemerocalis	Daylily	15"	yellow only
4	6	Prunus virginiana	Canada Red Cherry	5'	
5	5	Pinus glauca densata	Black Hills Spruce	8'	
6	12	Potentilla fruticosa	Golddrop Potentilla	18"	yellow flowers
	12	Berberis thunbergii	Japanese Barberry	18"	maroon red leaf
7	14	Celtis occidentalis	Common Hackberry	20'	
8	3	Pinus glauca densata	Black Hills Spruce	10'	symetrical with existing
9	3	Aesculus hippocastanum	Horsechesnut	10'	symetrical with existing
10	4	crataegus sp.	Hawthorne	8'	symetrical with exisiting
11	9	Malus "Spring Snow"	Spring Snow Crab	10'	White blossoms
	1	Prunus serotina	Black Cherry		white blossoms
12	50	Rhododendron x "white Lights"	White Lights Azalea	3'	white blossoms
13	60	Chinodoxa lucilliea	Glory Of The Snow	6"	white only
	60	Crocus sp.	Crocus	12"	white only
	60	Tulipa sp.	Tulips	12"	white only
	60	Hyacinthus orientalis	Hyacinths	15"	white only
	60	Vinca minor	Vinca	6"	white only
	60	Nicotiana alata	Nicotiana	12'	white only
18	60	Chrysanthemum maximum	Chrysanthemum	15"	white only
19	12	Fraxinus pennsylvanica	Green Ash	20'	
20	1	Catalpa speciosa	Northern Catalpa		good shade; open in winter
21	12	Gleditsia triacanthus	Skyline Honeylocust	20'	airy but shady
22	6	Cornus racemosa	Pagoda Dogwood	10'	white flower
23	3	Salix alba tristis	Weeping Willow	20'	
24	16	Populus deltoides "Siouxland"	Siouxland Poplar	20'	
25	8	Celatris scandens	American Bittersweet	1'	yellow fall color
26		Lupinus polyphillus	Lupines	18-24"	showy
		Nicotiana alata	Nicotiana	15"	
		Coreopsis verticillata	Coreopsis	15"	
		Aquilegia x hybrida	Columbine	24"	
		Phlox drummondii	Phlox	6"	
		Delphinium elatum	Delphinium	24"	
27			Vegetable Display		
			All American Display		

The school colors of the West Central School of Agriculture is the inspiration for this design of the Alumni Garden.

Black hills spruce combine with the existing windbreak to create an allee ushering the visitor into the garden. A brilliant spring show of flowering crabapples and azaleas continue the allee culminating at an intimate gathering space with seating and an outdoor fire place.

Moving south a brick terrace and walkway is introduced by borders of azaleas and peonies. The visitor is guided along the path by a mixture of annuals and wild flowers all sporting white blossoms reminiscent of the first school colors of green and white.

The adjacent lawn area allows views to the west overlooking the river valley. A bosque of green ash to the south directs the visitor back to the path and to the flag pole which presents another unique transition into the annual and perennial beds.

The sloping landscape to the west provides a natural setting for the amphitheatre. The staging platform, a replica of one seen in the school yearbook, is backed by the elegance of weeping willows.

Siouxland poplar in the southwest corner help to protect visitors from the hot prevailing summer winds.

The road which leads into the garden off the highway is flanked on both sides by Crimson King maples, marigolds and day lilies exhibiting the change in school colors to maroon and gold.

Other important features of this design include shading of the parking lot, the Experiment Station Administration building and air-conditioning unit.

Handicapped parking is located at the site of the existing service drive. this location provides for those who would like a shortened version of the garden experience.

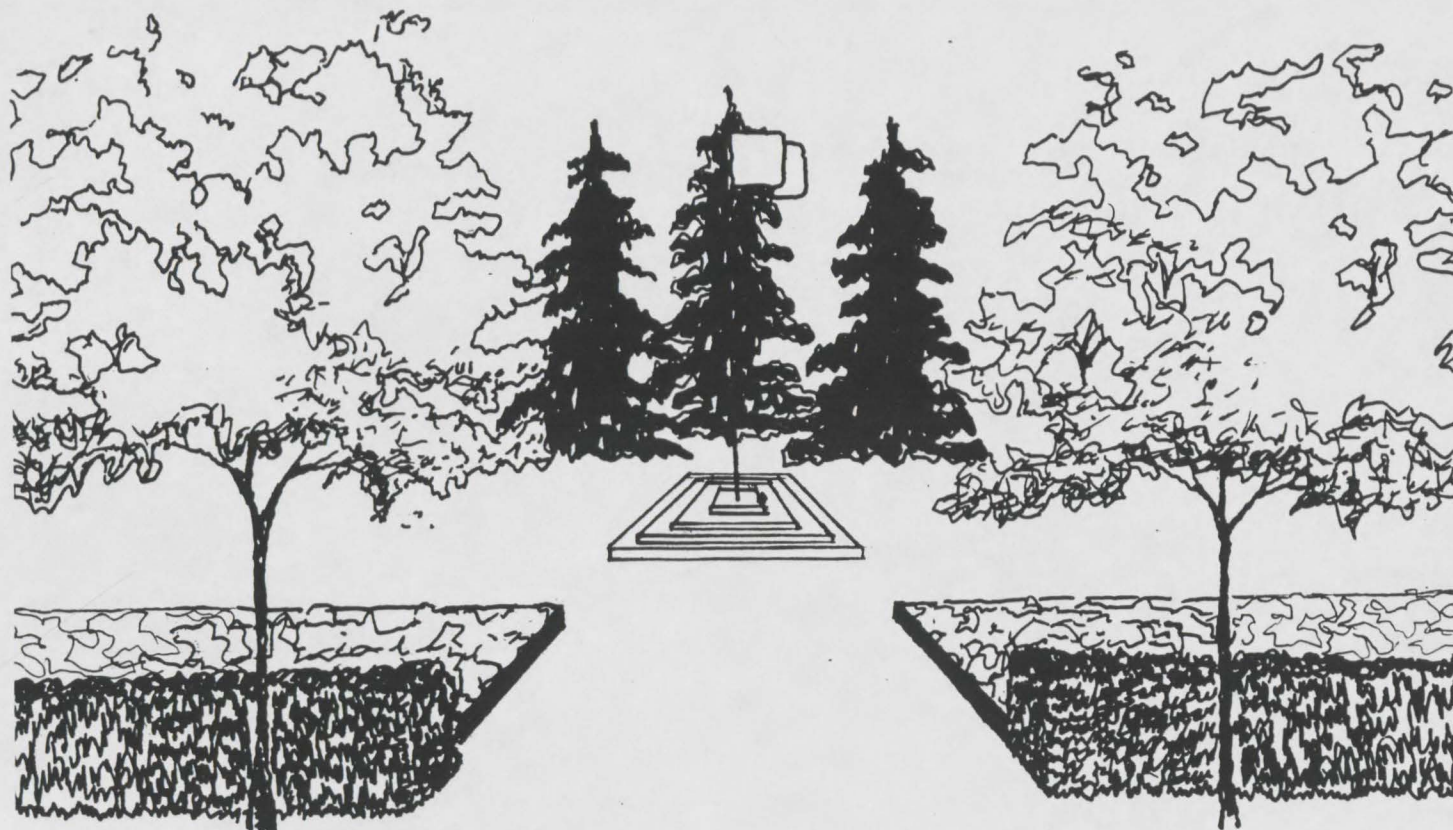
This design emulates the pride of the alumni for their alma mater by the use of the school colors, both old and new, in flowers trees and shrubs.



# M. ALISON McKENNA

*.....every generation has a story to tell; as evidenced in the writings found in the school yearbook. I would like this garden design to express the changes both at home and around the world which may have impacted, in some small way, the lives of those who passed through the WCSA.*





view looking south from the meadow past the ornamental vegetable garden to the flag in the distance

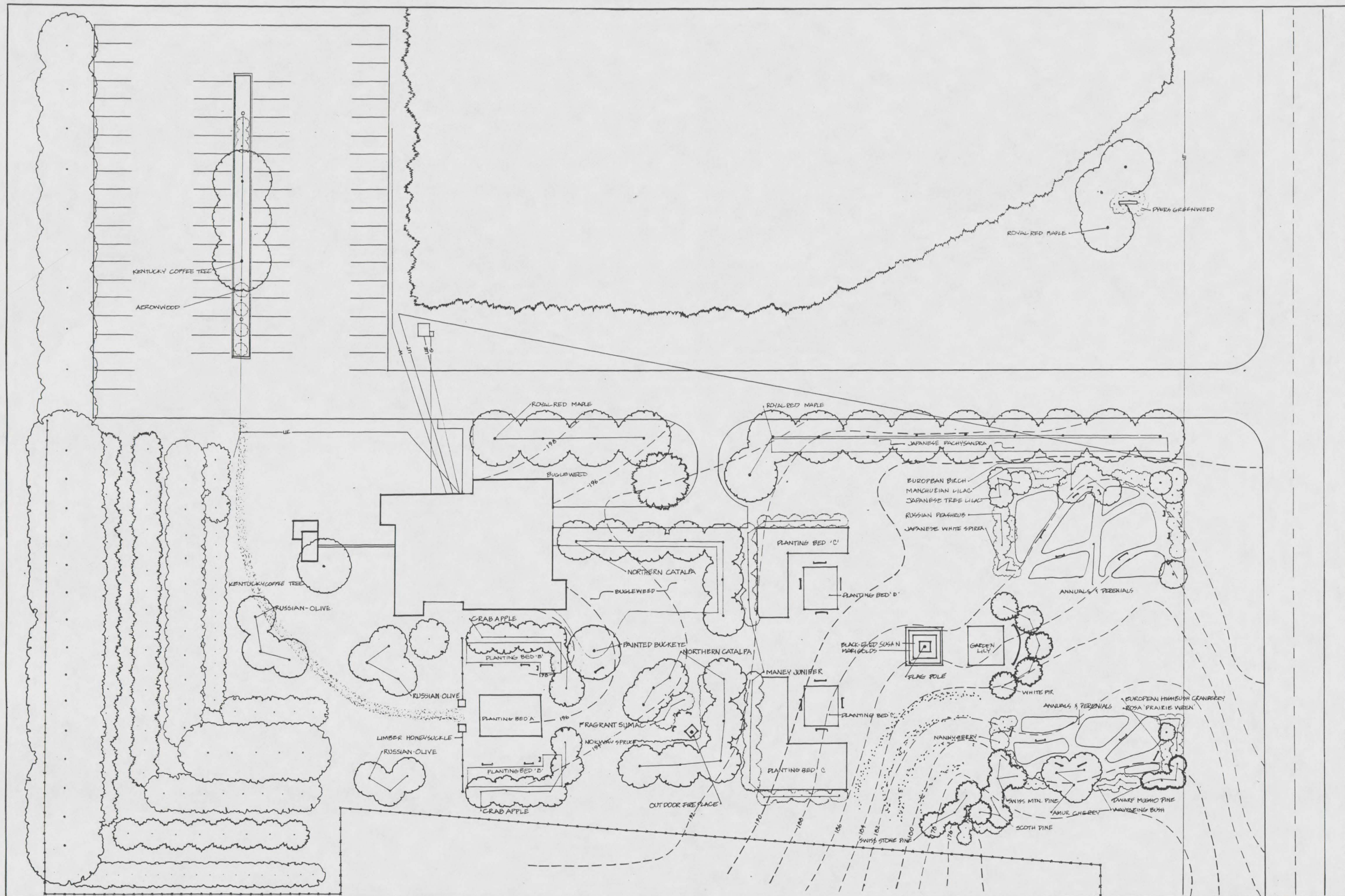


view of the eastern flower beds with the row of royal red maples in the background



cross section looking east through the middle of the garden





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN

0 10 20 40 FEET N



KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
	5	Acer platanoides "Royal Red"	Royal Red Maple	25'	
	1	Aesculus sylvatica "Autumn Splendor"	Painted Buckeye		specimen planting
	3	Betula pendula "gracilis"	European Birch	20'	weeping variety
	15	Catalpa speciosa	Northern Catalpa	20'	
	5	Elaeagnus angustifolia	Russian Olive	15'	
	4	Gymnocladus diocea	Kentucky Coffee Tree	20'	
	12	Malus baccata "gracilis"	Siberian Crabapple	15'	low; spreading form; drooping
	3	Prunus maackii	Amur Cherry	15'	
	6	Syringa reticulata	Japanese Tree Lilac	15'	
	5	Abies concolor	White Fir	20'	
	15	Juniperus chinensis maneyi	Maney Juniper	4'	
	15	Picea abies "clanbrassiliana"	Norway Spruce	5'	
	3	Pinus cembra	Swiss Stone Pine	15'	
	4	Pinus mugho mughus	Dwarf Mugo Pine	5'	
	3	Pinus mugo	Swiss Mountain Pine	15'	
	1	Pinus sylvestris	Scotch Pine		
	12	Caragana frutex	Russian Peashrub	8'	
	15	Genista tinctoria	Dyer's Greenweed	4'	
	3	Rhus Aromatica	Fragrant Sumac	8'	
	12	Rosa rugosa	Rosa "Prairie Wren"	4'	
	12	Spiraea albaflora	Japanese White Spiraea	3'	
	4	Syringa patula "Miss Kim"	Manchurian Lilac	8'	
	6	Viburnum lantana	Wayfaring Bush	8'	
	1	Viburnum lentago	Nannyberry Viburnum		
	5	Viburnum opulus "nanum"	European Highbush Cranberry	3'	
	20	Lonicera dioica	Limber Honeysuckle	3'	on trellis
		Ajuga reptans	Bugleweed	10"	
		Pachysandra terminalis	Japanese Pachysandra		or more tolerant ground cover
A	150	Iberis sempervirens	Evergreen Candytuft	8"	white, use as edging
	150	Pulmonaria saccharata	Bethlehem Sage	12"	white
	150	Paeonia lactiflora	Chinese Peony	12"	white
B	25	Anomone canadensis	Anomone	random	white
	25	Aquilegia canadensis	Wild Columbine	random	
	25	Hepatica americana	Round Lobed Hepatica	random	white
	25	Sanguinaria canadensis	Bloodroot	random	white
	25	Trillium nivale	Dwarf Trillium	random	white
C	35	Brassica oleracea	Ornamental Cabbage	12"	Cherry Gateau
	35	Pallo rosa	Radicchio	2'	
	160	Allium tuberosum	Garlic Chive	6"	
	160	Salvia officinalis	Sage	10"	
	50	Melissa officinalis	Lemon Balm	18"	
	50	Ruta graveolens	Rue		
D	200	Petunia hybrida	Petunia	8"	
	100	Rudbeckia hirta	Blackeyed susan	2'	
	200	Tagates sp.	Marigolds	10"	yellow

Many generations of students passed through the West Central School of Agriculture and this design focuses on the events at home and across the world that in some small way may have influenced the lives of the alumni. Several unique garden spaces have been created in response to the writings in the school yearbook.

Entry to the garden lies west of the Experiment Station Administration building. The visitor is led to that point, from the main parking lot, by a path weaving in and out of small bosques of russian olive trees.

A trellis, fashioned after the old school gate covered with a honeysuckle vine, ushers the visitor in to the first of six memory gardens. The first, of many years of, class colors were green and white. The perennial bed and wild flowers surrounded by flowering crabapples all display white blossoms. To symbolize the inception of the school this garden puts on its most spectacular show in early spring with brilliant green foliage lasting through the season.

The decades of the late twenties and early thirties, although difficult in light of the depression, were times for simple pleasures and romance. A sprawling meadow encased in northern catalpa provides picnic areas, scenic views to the west overlooking the river valley and a secluded nook with seating and an outdoor fireplace.

When war broke out in Europe, America's response was to replace their flower gardens with vegetable gardens as a show of self reliance; so too did the students of the WCSA. As the land begins to slope to the south ornamental vegetable gardens create a corridor leading to the flag pole and a recreation of the Victory Garden.

To the east and west of this corridor open turf areas allow for group gatherings. On the eastern side the relatively flat terrain allows for games such as horseshoes badminton or croquet. To the west an amphitheatre is created taking advantage of the natural slope.

Beyond the flag is a lily garden, backed by a wall of evergreens, representing the fifties and the advancements made in horticultural breeding.

Once again the visitor is given a choice. Large annual and perennial beds are located in the east and west separated by a grassy knoll which peers out onto the wild flower fields in the distance. At this point the paths disperse throughout the flower gardens symbolizing the sixties, the end of the West Central School of Agriculture and students commencing their journey into the future.

Energy conservation is also an important feature of this design. Kentucky coffee trees shade the parking lot and the air-conditioning unit. The south west corner of the building is protected from the summer sun by a painted buckeye.

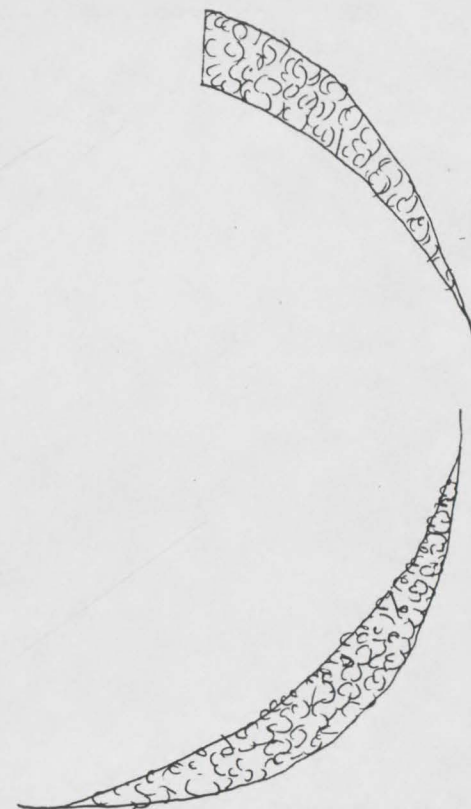
This Alumni Garden design is intended to bring alive the memories that made each students' highschool years at the West Central School of Agriculture special.



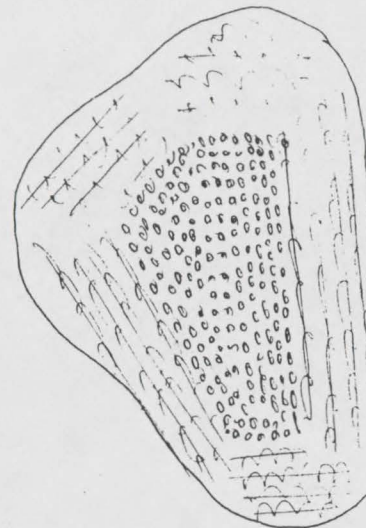
# DAN SIMPSON

*.....the heritage of  
the land, that is  
western Minnesota,  
is embodied in the  
education attained at  
the WCSA. In my  
design I would like to*

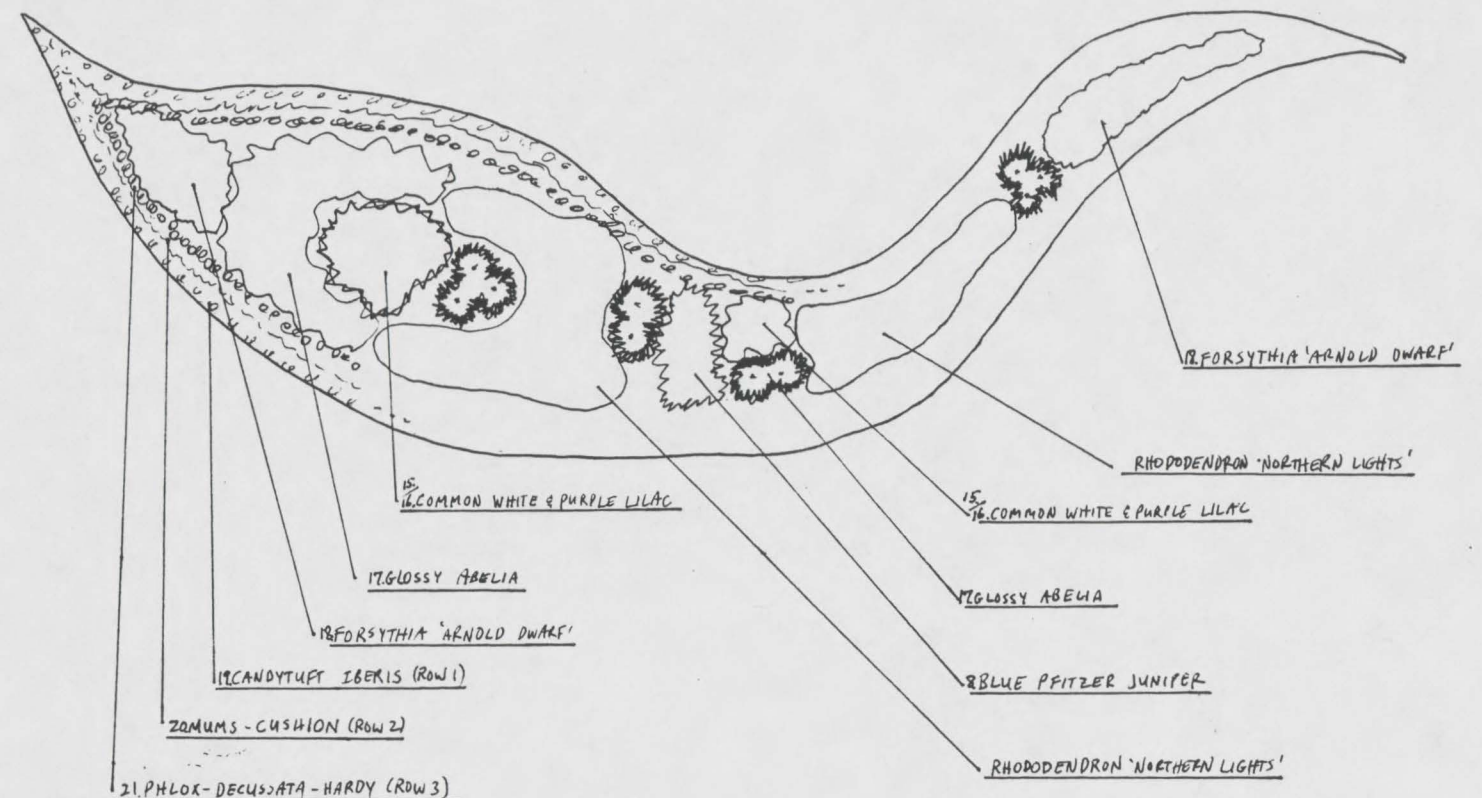




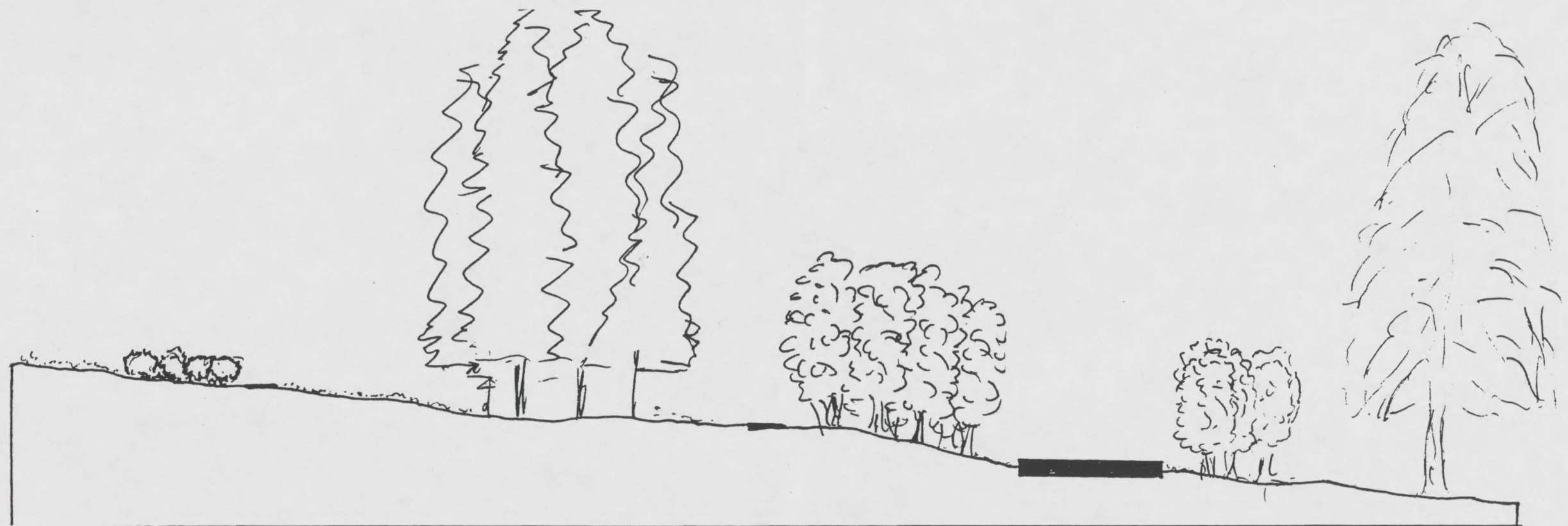
detail of the flower bed surrounding the sign



detail of the lily bed

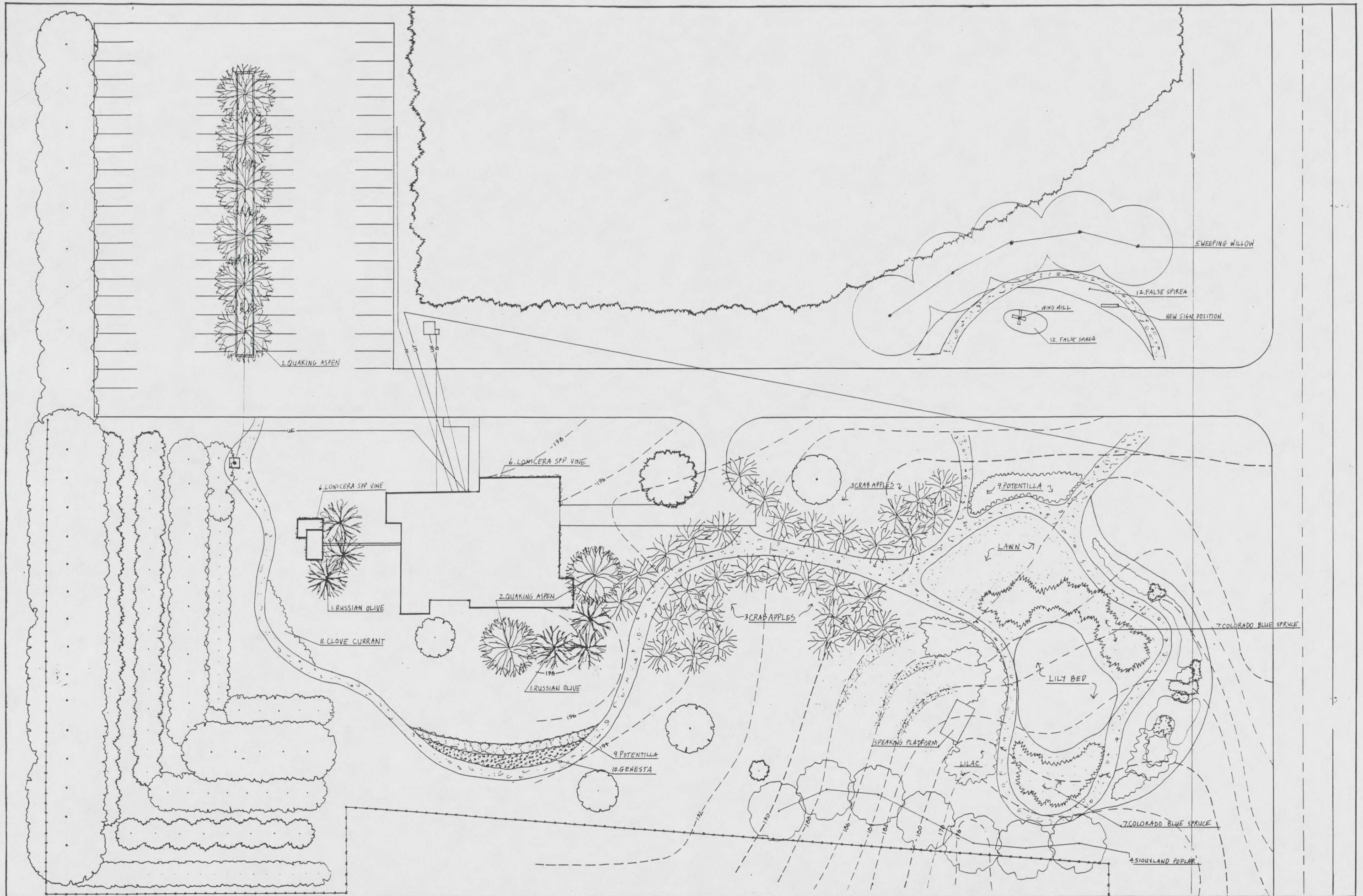


detail of the southern planting bed



cross section looking west across the staging platform and amphitheatre





WEST CENTRAL ALUMNI GARDEN

MASTER PLAN

0 10 20 40 FEET N



KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
1	6	Elaeagnus angustifolia	Russian Olive		
2	8	Populus tremuloides	Quaking Aspen	23'	parking lot
3	32	Malus "Red Jewel	Red Jewel Crabapple	20'	along pathway
4	7	Populus deltoides "Siouxland"	Siouxland poplar	32'	
5	5	Salix alba tristis	Weeping Willow		
6	54	Lonicera glaucescens	Donald Honeysuckle	3'	
7	31	Picea pungens glauca	Blue Colorado Spruce		
8	10	Juniperus chinensis pfitzeriana glauca	Blue pfitzer Juniper		
9	307	Potentilla fruticosa	Potentilla	18"	
10	546	Genista tinctoria	Dyer's Greenweed	12"	
11	29	Ribes odoratum	Clove currant	2'	
12	553	Astilba cus.	False Spirea	15'	white flower
13	6240	Convallaria majalis	Lily Of The Valley	6"	white
14	2400	Hosta cus.	Plantain Lily	3'	
15	392	Syringa vulgaris alba	Common White Lilac	5'	
16	392	Syringa vulgaris purpurea	Common Purple Lilac	5'	
17	127	Abelia grandiflora	Glossey Abelia	5'	
18	165	Forsythia x "Arnold Dwarf"	Arnold Dwarf forsythia	4'	yellow
19	7837	Iberis	Candytuft	6"	white
20	870	Chrysanthemum		18"	orange and purple
21	314	phlox	phlox	30"	white and orange

The rural countryside and the focus on the bounty of the land, both at school and at home for the students of the West Central School of Agriculture, inspired this design for the Alumni Garden.

The existing flag pole is tied into the garden design to mark the entrance. As the path winds around to the southwest vegetative walls of clove currant, potentilla and genista colorfully lead the visitor into a crabapple allee while allowing views to the west of the river valley, the agricultural fields and the University campus on the horizon.

To the west of the allee a speaker's platform, reminiscent of the one pictured in the school yearbook, is nestled at the bottom of a slope creating a natural amphitheatre. Lilac hedges and quaking aspen provide a backdrop for this gathering place.

At the southern most part of the garden a large lily bed is partially enclosed by evergreens but allows just enough room for passing motorists to enjoy this spectacular display of color.

As the path winds back around to the northeast potentilla shrubs direct the visitor back into the crabapple allee.

Energy conservation is also an important feature of this design. Quaking aspen shield the parking lot from the hot summer sun. Aspen and russian olive also help to cool the experiment station building and its air conditioning unit.

This design is intended to spur the memories of the alumni by resurrecting the fondly remembered apple orchard; to integrate the garden into the rural landscape by making the views of the distant agricultural fields part of the garden experience and to enhance the countryside by allowing those just passing by a chance to see the tribute to the alumni of the West Central School of Agriculture.



# GLENN SWITZER

*.....education was  
the goal of the  
WCSA and it seems  
appropriate that to  
commemorate its  
alumni their garden  
should also be about  
education.*



view of the flag pole and surrounding plant material

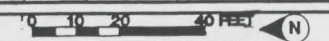


cross section looking northeast and cutting diagonally across the southwest corner of the building



## WEST CENTRAL ALUMNI GARDEN

## MASTER PLAN





KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
AG	15	Acer ginnala compacta	Compact Amur Maple	10	
AG	3	Aesculus glabra	Ohio Buckeye	20'	
BPJ	2	Betula platyphylla japonica	Japanese Whitespire		
CA	3	Crataegus ambigua	Russian Hawthorn	15'	
GD	5	Gymnocladus dioica	Kentucky Coffee Tree	30'	
MRS	9	Malus "Red Splendor"	Red Splendor Crabapple	15'	
PG	3	Populus grandidentata	Large Toothed Aspen		
PM	4	Prunus maackii	Amur Cherry	15'	
QE	6	Quercus ellipsoidalis	Northern Pin Oak	20'	
QM	6	Quercus macrocarpa	Burr Oak	35'	
JCM	15	Juniperus chinensis Maneyi	Maney Juniper	4'	
JCJ	9	Juniperus chinensis "Mint Julip"	Mint Julip Juniper	3'	
PP	16	Picea pungens	Colorado Spruce		
AA	7	Amelanchier arborea	Downey Serviceberry	6'	
CS	1	Cornus alternifolia	Pagoda Dogwood		
CH	13	Corylus americana	American Hazel	4'	
EA	7	Euonymus alatus	Burning Bush Euonymus	8'	
FO	22	Forsythia ovata	Early Forsythia	5'	
HK	13	Hypericum kalmianum	Kalm's St. John's Wort	4'	
LH	10	Ligustrum vicaryi	Golden Privet (Hillside)	3'	
RF	1	Rhamnus frangula	Fern Leaf Buckthorn		
SA	5	Shepherdia argentea	Silver Buffaloberry	8'	
SB	32	Spirea x bumulda "Gold Flame"	Gold Flame Spirea	3'	
SV	24	Spirea x vanhouttei	Bridal Wreath Spirea	5'	
VO	13	Viburnum opulus compacta	Compact European Cranberry Bush	4'	
WF	10	Weigela florida	Java Red Weigela	3'	
1	40	Rosa rugosa	Rosa Nearly Wild		mixed colors
2	100		Wild Flowers		mixed colors
3	300		Annuals		blue, white
4	500		Annuals		pink, white
5			Perennials		
6			Lily		
7			Ornamental Vegetables		
8	300	Tagates sp.	Marigold		
9	300	Tagates sp.	Marigold		
10		Chrysanthemum maximum	Chrysanthemum		gold, maroon

Education is the impetus for this garden design which is intended to enlighten visitors on the WCSA and it's alumni; to inform people about the various plant materials; and to provide instructional settings for civic and community groups.

People can enjoy the garden in three ways. Drivers-by will be treated to large displays of annual flower beds in the southern section. Those wishing a short walk, which is handicapped accessible, can enjoy the myriad of colors, smells and textures in the various beds of roses, lilies, wild flowers, perennials, chrysanthemums and geraniums. For larger groups intending to spend the day an amphitheatre is located on the western slope for lectures or presentations and picnic areas.

Views both on and off the site are very important in this design. The view from the highway will seem like a broad stroke of color to passing motorists. The same view for one inside the garden is directed inward by using walls of trees and shrubs to create smaller and more intimate spaces. Also for those inside the garden the view opens up to the neighboring pasture land and river valley. An overlook to the west offers a vista of the university campus.

The alumni who visit the garden should be reminded of their school days by mementos such as the flag pole surrounded by colorado spruce; a replica of the old school gate at the main entrance to the garden and a replica of the platform now used as a stage in the amphitheatre.

The plantings thus far have been described for their beauty but they also serve an important role in energy conservation. Large, fast growing

aspen shade the building from the hot summer sun. The kentucky coffee tree was chosen to shade the parking lot because it's dense foliage blocks the sun's heat in the summer but it's loose branching structure allows the heat to pass through in the winter. In addition masses of shrub plantings help to insulate and soften the hard edges of the building.

This garden design incorporates beauty and function to provide the visitor with an experience that is both educational and enjoyable.



# KRISTEN WENGGS

*.....to blend and  
weave the color,  
shape, texture and  
sound of plant  
materials into an  
intricate pattern of  
rooms, terraces and  
vistas best  
personifies the  
legacy of the WCSA.*



cross section depicting the windmill and flag pole set within the terraced vegetation



cross section looking east along the eastern side of the garden







KEY	QTY	BOTANICAL NAME	COMMON NAME	SPACING	COMMENTS
AGB	10	Acer ginnala "Baileyii"	Compact Amur Maple	A.S.	species
AG	16	Acer ginnala	Amur Maple	A.S.	
AN	2	Aesculus neglecta Lindl	Painted Buckeye	A.S.	specimen
CO	5	Celtis occidentalis	Common Hackberry	A.S.	
EA	2	Elaeagnus angustifolia	Russian Olive	A.S.	
M	11	Malus sp.	Crabapple	A.S.	
PD	4	Populus deltoides "Siouxland"	Siouxland Poplar	A.S.	
PG	10	Picea glauca densata	Black Hills Spruce	15'	
PM	7	Pinus mugho mughans	Mugo Pine	A.S.	
TO	6	Thuja occidentalis "Techny"	Techny Arborvitae	10'	
AM	66	Aronia melanocarpa "elata"	Glossey Chokeberry	2'	white blossom, black berries
CA	5	Caragana arborescens	Peatree	A.S.	tree form shrub
PF	48	Potentilla Fruticosa "Jackmani"	Jackman Potentilla	2'	yellow
RO	12	Ribes odoratum	Clove Currant	A.S.	pink
RR	14	Rosa rugosa	Shrub Rose "Bonica"	4'	
RR	25	Rosa rugosa	Shrub Rose "Canetreeae"	3'-6"	pink
SA	7	Shepherdia argentea	Buffaloberry	A.S.	pink
SB	60	Spirea bumalda "Anthony Waterer"	Anthony Waterer Spirea	12'	
SC	18	Syringa chinensis	Chinese Lilac	6'	
SM	48	Syringa meyeri	Meyer Lilac	A.S.	
PQ	17	Parthenocissus quinquefolia "Englemani"	Virginia Creeper	6-8'	over walls
AZ	seed	Alcea zebrina	Annual Dwarf Hollyhock		pink
LC	80	Lychnis chalcidonica	Maltese Cross	18"	red
PA	180	Phalaris arundinacea "picta"	Ribbon Grass	12"	mixed colors mixed colors double gold blue spikes
A	25	Perouskia atriplicifolia	Russian Sage	20"	
B	450	Begonia sp.	Wax Begonia	6"	
C	seed	Alcea sp.	Tall Hollyhock	15"	
D	75	Coreopsis lancifolia "Sunray"	Tickseed	15"	
E	60	Salvia superba "East Friesland"	Perennial Salvia	15"	mixed colors
F	80	Achillea filipendula	Coronation Gold Yarrow	18"	
G	50	Sedum spectabile "Autumn Joy"	Sedum	15"	mixed colors
H	80	Rudbeckia fulgida "Goldsturm"	Blackeyed Susan	18"	
I	50	Chrysanthemum maximum	Shasta Daisy	15"	
J	50	Asclepias tuberosa	Butterfly Weed	18"	
K	75	Coreopsis verticillata	Moonbeam Coreopsis	12"	
L	20	Miscanthus sinensis	Fountain Grass	2'-6"	
M	200	Festuca glauca "ouata"	Blue Fescue	12"	
N	40	Iris siberica	Siberian Iris	18"	
O	150	Iris germanica	Tall Iris	14"	
P	100	Lillium sp.	Hybrid Lilies	18"	
Q	100	Geranium macrorrhizum	"Johnson Blue" Geranium	12"	white chartreuse pink, white, purple pink, white, purple orange, yellow, red
R	100	Campanula glomerata	Clustered Bellflower	14"	
S	130	Astilbe spp.	Deutschland Astilbe	15"	
T	116	Hosta spp.	Gold Standard Hosta	18"	
U	225	Petunia sp.	Petunia	10"	
V	300	Verbena sp.	Verbena	10"	
W	180	Tagates spp.	Marigold	14"	

The terraces in this design of the West Central Alumni Garden provide the frame-work which weaves together an intricate pattern of color, shape, and texture.

The visitors enter the garden through an archway (southeast of the building) architecturally reminiscent of the old buildings at the school. Beyond the archway is a patio, enclosed by a pergola veiled in grapevines, which wraps around the west side of the building providing people a sheltered seating place to enjoy the views of the river valley.

The patio is connected to the lower terraces and display gardens by a system of handicapped accessible pathways.

Plant materials are used to unify the garden and offer many interesting features. Black hills spruce are used as a backdrop for the colorful annual and perennial borders. As the visitor moves along a lower terrace, the upper terrace is planted so that the flowers will hang over the side thus allowing those in a wheelchair the opportunity of touching and smelling.

Siouxland poplars occupy the southwest corner of the garden adding the sense of hearing to that of seeing, smelling and touching.

As the visitors wind their way back to the north, the old windmill serves as an icon reminding people of the agricultural heritage of the West Central School of Agriculture and its Alumni.